

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122721\
 Data File : VN070306.D
 Acq On : 27 Dec 2021 11:22
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/28/2021
 Supervised By : Semsettin Yesilyurt 12/30/2021

Quant Time: Dec 27 12:40:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 12:37:58 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.083	168	1120868	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1861150	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1671061	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	588417	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	82224	4.88	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	9.76%#		
35) Dibromofluoromethane	8.021	113	55029	4.81	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	9.62%#		
50) Toluene-d8	10.440	98	232051	5.06	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	10.12%#		
62) 4-Bromofluorobenzene	12.731	95	72436	4.33	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	8.66%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	58161	4.54	ug/l	100
3) Chloromethane	2.303	50	85094	5.22	ug/l	98
4) Vinyl Chloride	2.448	62	78150	5.23	ug/l	98
5) Bromomethane	2.850	94	47193	5.78	ug/l	98
6) Chloroethane	3.022	64	47065	5.14	ug/l	100
7) Trichlorofluoromethane	3.376	101	93654	4.83	ug/l	97
8) Diethyl Ether	3.824	74	40506	5.31	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.216	101	57326	5.18	ug/l	96
10) Methyl Iodide	4.419	142	72189	4.80	ug/l	99
11) Tert butyl alcohol	5.382	59	67329	21.75	ug/l	95
12) 1,1-Dichloroethene	4.178	96	55641	5.20	ug/l	90
13) Acrolein	4.041	56	67218	25.39	ug/l	100
14) Allyl chloride	4.846	41	120925	5.01	ug/l	90
15) Acrylonitrile	5.557	53	206725	23.95	ug/l	99
16) Acetone	4.288	43	230736	22.30	ug/l	98
17) Carbon Disulfide	4.527	76	144184	5.18	ug/l	99
18) Methyl Acetate	4.857	43	152069	4.92	ug/l	91
19) Methyl tert-butyl Ether	5.616	73	200217	4.85	ug/l	95
20) Methylene Chloride	5.095	84	72983	5.28	ug/l #	86
21) trans-1,2-Dichloroethene	5.597	96	57844	5.00	ug/l	91
22) Diisopropyl ether	6.498	45	242716	5.17	ug/l	91
23) Vinyl Acetate	6.434	43	927436	24.51	ug/l #	93
24) 1,1-Dichloroethane	6.383	63	129000	5.30	ug/l	98
25) 2-Butanone	7.337	43	306626	22.18	ug/l	92
26) 2,2-Dichloropropane	7.324	77	98303	5.16	ug/l	97
27) cis-1,2-Dichloroethene	7.324	96	70055	5.02	ug/l	86
28) Bromochloromethane	7.657	49	60122	4.79	ug/l #	79
29) Tetrahydrofuran	7.689	42	191493	22.94	ug/l	87
30) Chloroform	7.815	83	124080	5.08	ug/l	100
31) Cyclohexane	8.094	56	144640	6.00	ug/l #	86
32) 1,1,1-Trichloroethane	8.011	97	102741	4.96	ug/l	96
36) 1,1-Dichloropropene	8.222	75	87617	4.97	ug/l	97
37) Ethyl Acetate	7.415	43	113800	4.44	ug/l	96
38) Carbon Tetrachloride	8.206	117	82760	4.81	ug/l	99
39) Methylcyclohexane	9.459	83	104481	4.97	ug/l #	86
40) Benzene	8.458	78	284812	5.28	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122721\
 Data File : VN070306.D
 Acq On : 27 Dec 2021 11:22
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/28/2021
 Supervised By : Semsettin Yesilyurt 12/30/2021

Quant Time: Dec 27 12:40:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 12:37:58 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.638	41	60054	4.94	ug/l #	88
42) 1,2-Dichloroethane	8.528	62	104805	4.88	ug/l	99
43) Isopropyl Acetate	8.560	43	178872	4.67	ug/l	96
44) Trichloroethene	9.217	130	67119	5.23	ug/l	93
45) 1,2-Dichloropropane	9.491	63	74385	5.12	ug/l	98
46) Dibromomethane	9.577	93	46502	4.94	ug/l	95
47) Bromodichloromethane	9.759	83	88111	4.90	ug/l	99
48) Methyl methacrylate	9.558	41	82652	4.56	ug/l	86
49) 1,4-Dioxane	9.571	88	23130	74.50	ug/l #	78
51) 4-Methyl-2-Pentanone	10.330	43	571568	23.21	ug/l	96
52) Toluene	10.505	92	167676	5.10	ug/l	98
53) t-1,3-Dichloropropene	10.717	75	90919	4.80	ug/l	100
54) cis-1,3-Dichloropropene	10.188	75	98544	4.84	ug/l #	89
55) 1,1,2-Trichloroethane	10.896	97	67102	5.08	ug/l	98
56) Ethyl methacrylate	10.760	69	99273	4.45	ug/l #	90
57) 1,3-Dichloropropane	11.044	76	117569	5.05	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.041	63	95206	17.35	ug/l	89
59) 2-Hexanone	11.087	43	389481	20.92	ug/l	94
60) Dibromochloromethane	11.237	129	59418	4.73	ug/l	97
61) 1,2-Dibromoethane	11.347	107	66402	4.88	ug/l	97
64) Tetrachloroethene	10.977	164	61694	5.48	ug/l	95
65) Chlorobenzene	11.771	112	176285	5.23	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.840	131	60763	5.14	ug/l	97
67) Ethyl Benzene	11.843	91	317114	5.18	ug/l	93
68) m/p-Xylenes	11.953	106	226236	10.14	ug/l	94
69) o-Xylene	12.280	106	109630	4.88	ug/l	91
70) Styrene	12.294	104	166817	4.68	ug/l	96
71) Bromoform	12.457	173	39941	4.55	ug/l #	98
73) Isopropylbenzene	12.578	105	281556	5.39	ug/l	97
74) N-amyl acetate	12.388	43	101963	4.48	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.825	83	99307	5.54	ug/l	98
76) 1,2,3-Trichloropropane	12.878	75	83144m	5.03	ug/l	
77) Bromobenzene	12.860	156	62389	5.09	ug/l	72
78) n-propylbenzene	12.919	91	289522	4.99	ug/l	97
79) 2-Chlorotoluene	13.007	91	201029	5.47	ug/l	92
80) 1,3,5-Trimethylbenzene	13.058	105	224143	5.33	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.626	75	20531	4.44	ug/l	90
82) 4-Chlorotoluene	13.104	91	176576	5.11	ug/l	93
83) tert-Butylbenzene	13.324	119	194993	5.25	ug/l	92
84) 1,2,4-Trimethylbenzene	13.366	105	208667	5.21	ug/l	97
85) sec-Butylbenzene	13.501	105	256253	5.09	ug/l	97
86) p-Isopropyltoluene	13.613	119	192534	4.88	ug/l	97
87) 1,3-Dichlorobenzene	13.616	146	103340	5.15	ug/l	97
88) 1,4-Dichlorobenzene	13.694	146	99276	5.03	ug/l	91
89) n-Butylbenzene	13.943	91	148869	4.66	ug/l	97
90) Hexachloroethane	14.209	117	33398	4.84	ug/l	90
91) 1,2-Dichlorobenzene	13.989	146	102146	5.23	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.603	75	14090	4.40	ug/l	81
93) 1,2,4-Trichlorobenzene	15.265	180	37083	4.16	ug/l	99
94) Hexachlorobutadiene	15.367	225	27867	5.36	ug/l	99
95) Naphthalene	15.507	128	85392	3.34	ug/l	99
96) 1,2,3-Trichlorobenzene	15.702	180	37232	4.25	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122721\
Data File : VN070306.D
Acq On : 27 Dec 2021 11:22
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/28/2021
Supervised By :Semsettin Yesilyurt 12/30/2021

Quant Time: Dec 27 12:40:28 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 27 12:37:58 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Reviewed By :John Carlone 12/28/2021
Supervised By :Semsettin Yesilyurt 12/30/2021

Abundance

TIC: VN070306.D\data.ms

Time-->

2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00

Chlorodifluoromethane, T
Chloromethane, P
Vinyl Chloride, C
Bromomethane, T
Chloroethane, T
Trichlorofluoromethane, T
Diethyl Ether, T
Acrolein, T
1,1-Dichloroethane, T
Acetone, T
Methyl mercaptan, T
Carbon disulfide, T
Methyl acetate, T
Methylene Chloride, T
Tert butyl alcohol, T
Acetone, T
1,1-Dichloroethane, T
Disopropyl ether, T
Acetate, T
Cyclohexane, T
Pentafluorobenzene, I
1,4-Difluorobenzene, I
Trichloroethene, TM
Bromodichloromethane, T
2-Chloroethyl Vinyl ether, T
cis-1,3-Dichloropropene, T
Toluene, SM
t-Butyl alcohol, T
1,1,2-Trichloroethane, T
1,3-Dichloropropane, T
Dibromochloromethane, T
1,2-Dibromoethane, I
Chloroethane, T
Chlorobenzene, T
1,2-Dichloroethane, T
Bromomethyl acetate, T
trans-1,3-Dichloropropene, T
1,1,2-Trichloroethane, T
4-Chlorobenzonitrile, T
tert-Butylbenzene, T
sec-Butylbenzene, T
1,2-Dichlorobenzene, T
1,2-Dibromo-3-Chloropropane, T
Hexachloroethane, T
1,2,3-Trichlorobenzene, T
1,2,4-Trichlorobenzene, T
Hexachlorobutadiene, T
Naphthalene, T
1,2,3-Trichlorobenzene, T