

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070721\
 Data File : VN067632.D
 Acq On : 7 Jul 2021 14:07
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/8/2021 6:02:50 PM

Quant Time: Jul 07 15:45:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 07 15:42:53 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	345802	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	632928	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	602995	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	245952	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	28311	5.495	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	10.980%#		
35) Dibromofluoromethane	8.024	113	19843	5.065	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	10.140%#		
50) Toluene-d8	10.443	98	82442	4.995	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	10.000%#		
62) 4-Bromofluorobenzene	12.734	95	28062	4.757	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	9.520%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.070	85	16052	4.450	ug/l	96
3) Chloromethane	2.303	50	25160	5.405	ug/l	97
4) Vinyl Chloride	2.443	62	41206	5.750	ug/l	99
5) Bromomethane	2.837	94	37056	6.576	ug/l	96
6) Chloroethane	3.006	64	31078	5.630	ug/l	93
7) Trichlorofluoromethane	3.365	101	77887	5.683	ug/l	100
8) Diethyl Ether	3.819	74	12854	3.597	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.194	101	18319m	5.709	ug/l	
10) Methyl Iodide	4.409	142	17330	4.284	ug/l	95
11) Tert butyl alcohol	5.388	59	21729m	30.326	ug/l	
12) 1,1-Dichloroethene	4.173	96	17367	5.687	ug/l	92
13) Acrolein	4.044	56	14513	26.600	ug/l #	55
14) Allyl chloride	4.832	41	30582	5.608	ug/l	94
15) Acrylonitrile	5.557	53	48441	26.212	ug/l	97
16) Acetone	4.291	43	44491	27.158	ug/l	97
17) Carbon Disulfide	4.519	76	47142	5.438	ug/l	97
18) Methyl Acetate	4.862	43	25418	6.045	ug/l #	74
19) Methyl tert-butyl Ether	5.621	73	67838	5.394	ug/l	98
20) Methylene Chloride	5.093	84	23297	5.729	ug/l	91
21) trans-1,2-Dichloroethene	5.589	96	19545	5.285	ug/l	92
22) Diisopropyl ether	6.501	45	66916	5.236	ug/l	98
23) Vinyl Acetate	6.436	43	288355	26.369	ug/l	97
24) 1,1-Dichloroethane	6.388	63	38934	5.579	ug/l	99
25) 2-Butanone	7.343	43	70551	26.610	ug/l	94
26) 2,2-Dichloropropane	7.321	77	32931	5.196	ug/l	96
27) cis-1,2-Dichloroethene	7.324	96	24378	5.455	ug/l	92
28) Bromochloromethane	7.654	49	19835	5.876	ug/l	88
29) Tetrahydrofuran	7.694	42	45122	25.532	ug/l	94
30) Chloroform	7.820	83	43063	5.406	ug/l	97
31) Cyclohexane	8.091	56	45367	6.357	ug/l #	85
32) 1,1,1-Trichloroethane	8.016	97	36342	5.253	ug/l	95
36) 1,1-Dichloropropene	8.220	75	32110	5.382	ug/l	97
37) Ethyl Acetate	7.415	43	30173	5.256	ug/l	98
38) Carbon Tetrachloride	8.204	117	29740	4.952	ug/l	95
39) Methylcyclohexane	9.462	83	34446	5.262	ug/l	94
40) Benzene	8.458	78	93574	5.300	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070721\
 Data File : VN067632.D
 Acq On : 7 Jul 2021 14:07
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/8/2021 6:02:50 PM

Quant Time: Jul 07 15:45:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 07 15:42:53 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.640	41	15662	5.493	ug/l	96
42) 1,2-Dichloroethane	8.531	62	36319	5.597	ug/l	90
43) Isopropyl Acetate	8.563	43	52572	5.267	ug/l	96
44) Trichloroethene	9.217	130	23545	5.324	ug/l	82
45) 1,2-Dichloropropane	9.491	63	23759	5.390	ug/l	96
46) Dibromomethane	9.577	93	16592	5.191	ug/l	98
47) Bromodichloromethane	9.762	83	31809	5.170	ug/l	98
48) Methyl methacrylate	9.561	41	23202	5.286	ug/l	89
49) 1,4-Dioxane	9.571	88	8093	102.510	ug/l #	88
51) 4-Methyl-2-Pentanone	10.333	43	160199	26.215	ug/l	100
52) Toluene	10.508	92	59184	5.028	ug/l	98
53) t-1,3-Dichloropropene	10.719	75	31540	4.844	ug/l	97
54) cis-1,3-Dichloropropene	10.191	75	33857	4.825	ug/l	96
55) 1,1,2-Trichloroethane	10.899	97	22739	5.006	ug/l	97
56) Ethyl methacrylate	10.762	69	33405	4.764	ug/l	98
57) 1,3-Dichloropropane	11.047	76	39344	5.221	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.044	63	34019	24.417	ug/l	97
59) 2-Hexanone	11.089	43	107929	25.162	ug/l	98
60) Dibromochloromethane	11.240	129	21401	4.578	ug/l	98
61) 1,2-Dibromoethane	11.350	107	23110	4.934	ug/l	99
64) Tetrachloroethene	10.980	164	23178	5.436	ug/l	98
65) Chlorobenzene	11.771	112	64023	5.161	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.843	131	21192	4.812	ug/l	96
67) Ethyl Benzene	11.846	91	117958	5.267	ug/l	99
68) m/p-Xylenes	11.956	106	87418	10.222	ug/l	89
69) o-Xylene	12.283	106	42336	4.998	ug/l	91
70) Styrene	12.296	104	66604	4.856	ug/l	94
71) Bromoform	12.460	173	12357	3.934	ug/l #	93
73) Isopropylbenzene	12.583	105	109712	5.417	ug/l	99
74) N-amyl acetate	12.390	43	39651	5.545	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.830	83	31883	5.503	ug/l	99
76) 1,2,3-Trichloropropane	12.884	75	27812m	5.718	ug/l	
77) Bromobenzene	12.862	156	23812	5.182	ug/l	81
78) n-propylbenzene	12.924	91	123959	5.512	ug/l	98
79) 2-Chlorotoluene	13.010	91	74997	5.429	ug/l	93
80) 1,3,5-Trimethylbenzene	13.061	105	87939	5.399	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.632	75	7421	4.548	ug/l	88
82) 4-Chlorotoluene	13.109	91	74585	5.494	ug/l	95
83) tert-Butylbenzene	13.326	119	73414	5.323	ug/l	94
84) 1,2,4-Trimethylbenzene	13.369	105	84212	5.272	ug/l	93
85) sec-Butylbenzene	13.503	105	103661	5.466	ug/l	98
86) p-Isopropyltoluene	13.619	119	82835	5.403	ug/l	95
87) 1,3-Dichlorobenzene	13.619	146	41865	5.053	ug/l	96
88) 1,4-Dichlorobenzene	13.696	146	43857	5.312	ug/l	97
89) n-Butylbenzene	13.946	91	72129	5.660	ug/l	98
90) Hexachloroethane	14.211	117	13449	5.270	ug/l	92
91) 1,2-Dichlorobenzene	13.991	146	42082	5.210	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.606	75	4880	5.038	ug/l	77
93) 1,2,4-Trichlorobenzene	15.265	180	15969	4.535	ug/l	99
94) Hexachlorobutadiene	15.373	225	8834	5.328	ug/l	95
95) Naphthalene	15.509	128	37492	3.707	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.702	180	15427	4.733	ug/l #	89

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070721\
Data File : VN067632.D
Acq On : 7 Jul 2021 14:07
Operator : JC/MD
Sample : VSTDIC005
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Manual Integrations
APPROVED

MMDadoda
7/8/2021 6:02:50 PM

Quant Time: Jul 07 15:45:05 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 07 15:42:53 2021
Response via : Initial Calibration

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

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

