

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122123\
 Data File : VN080591.D
 Acq On : 21 Dec 2023 22:10
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/22/2023
 Supervised By : Mahesh Dadoda 12/22/2023

Quant Time: Dec 22 04:11:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	375463	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	633870	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	553894	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	257177	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	231766	48.330	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.660%		
35) Dibromofluoromethane	8.165	113	194740	48.455	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.920%		
50) Toluene-d8	10.565	98	718704	47.950	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.900%		
62) 4-Bromofluorobenzene	12.847	95	258054	45.339	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.680%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	227087	47.328	ug/l	99
3) Chloromethane	2.359	50	233568	46.012	ug/l	97
4) Vinyl Chloride	2.512	62	229538	56.017	ug/l	98
5) Bromomethane	2.947	94	76145	41.217	ug/l	100
6) Chloroethane	3.118	64	144719	54.963	ug/l	99
7) Trichlorofluoromethane	3.495	101	375789	45.216	ug/l	99
8) Diethyl Ether	3.953	74	137893	52.675	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.371	101	194299	49.324	ug/l	97
10) Methyl Iodide	4.589	142	107276	30.960	ug/l	96
11) Tert butyl alcohol	5.512	59	152971	270.850	ug/l	97
12) 1,1-Dichloroethene	4.336	96	202449	50.157	ug/l	95
13) Acrolein	4.171	56	206172	333.335	ug/l	100
14) Allyl chloride	5.024	41	278326	55.733	ug/l	91
15) Acrylonitrile	5.718	53	497732	311.898	ug/l	99
16) Acetone	4.418	43	323298	380.216	ug/l	100
17) Carbon Disulfide	4.712	76	526460	46.024	ug/l	99
18) Methyl Acetate	5.018	43	384804	70.332	ug/l	90
19) Methyl tert-butyl Ether	5.794	73	710122	52.733	ug/l	97
20) Methylene Chloride	5.277	84	234537	51.541	ug/l	94
21) trans-1,2-Dichloroethene	5.788	96	220379	50.354	ug/l	85
22) Diisopropyl ether	6.665	45	675881	62.707	ug/l #	90
23) Vinyl Acetate	6.600	43	1763494	284.875	ug/l #	91
24) 1,1-Dichloroethane	6.565	63	422143	56.136	ug/l	99
25) 2-Butanone	7.482	43	561508	342.794	ug/l	90
26) 2,2-Dichloropropane	7.488	77	334245	43.467	ug/l	98
27) cis-1,2-Dichloroethene	7.482	96	267902	54.078	ug/l	91
28) Bromochloromethane	7.806	49	168593	58.391	ug/l	86
29) Tetrahydrofuran	7.841	42	382664	326.236	ug/l	86
30) Chloroform	7.965	83	441027	52.835	ug/l	94
31) Cyclohexane	8.259	56	317797	48.731	ug/l	91
32) 1,1,1-Trichloroethane	8.171	97	392987	48.084	ug/l	99
36) 1,1-Dichloropropene	8.371	75	317157	48.264	ug/l	97
37) Ethyl Acetate	7.559	43	235686	57.275	ug/l	97
38) Carbon Tetrachloride	8.365	117	335042	42.670	ug/l	99
39) Methylcyclohexane	9.600	83	302958	44.379	ug/l	90
40) Benzene	8.606	78	967926	51.009	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	144103	60.744	ug/l	89
42) 1,2-Dichloroethane	8.671	62	323092	45.979	ug/l	100
43) Isopropyl Acetate	8.688	43	425826	57.553	ug/l	97
44) Trichloroethene	9.353	130	245817	48.053	ug/l	98
45) 1,2-Dichloropropane	9.624	63	247801	55.601	ug/l	99
46) Dibromomethane	9.706	93	157938	49.346	ug/l	90
47) Bromodichloromethane	9.888	83	346435	50.505	ug/l	99
48) Methyl methacrylate	9.682	41	246595	55.850	ug/l #	85
49) 1,4-Dioxane	9.694	88	65990	986.046	ug/l #	83
51) 4-Methyl-2-Pentanone	10.447	43	1228257	301.424	ug/l	99
52) Toluene	10.629	92	599432	50.005	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	361331	48.686	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	399399	50.349	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	230033	53.330	ug/l	95
56) Ethyl methacrylate	10.876	69	257495	53.920	ug/l #	86
57) 1,3-Dichloropropane	11.165	76	405145	53.581	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	849040	281.626	ug/l	92
59) 2-Hexanone	11.194	43	894438	297.329	ug/l	98
60) Dibromochloromethane	11.359	129	253189	49.536	ug/l	98
61) 1,2-Dibromoethane	11.470	107	226609	50.761	ug/l	99
64) Tetrachloroethene	11.106	164	193785	45.313	ug/l	98
65) Chlorobenzene	11.894	112	614487	49.871	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	234732	48.551	ug/l	97
67) Ethyl Benzene	11.965	91	1103203	48.693	ug/l	95
68) m/p-Xylenes	12.070	106	827677	98.863	ug/l	94
69) o-Xylene	12.400	106	403237	49.243	ug/l	93
70) Styrene	12.412	104	604094	51.215	ug/l	96
71) Bromoform	12.576	173	166760	47.298	ug/l #	98
73) Isopropylbenzene	12.694	105	1025154	49.621	ug/l	99
74) N-amyl acetate	12.494	43	358260	59.383	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	317929	57.429	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	271257m	52.871	ug/l	
77) Bromobenzene	12.982	156	248261	48.849	ug/l	99
78) n-propylbenzene	13.035	91	1162668	51.042	ug/l	99
79) 2-Chlorotoluene	13.123	91	737177	49.571	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	861838	48.436	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	80793	41.346	ug/l	96
82) 4-Chlorotoluene	13.223	91	745365	48.762	ug/l	98
83) tert-Butylbenzene	13.441	119	701316	48.128	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	878265	49.616	ug/l	99
85) sec-Butylbenzene	13.617	105	919394	49.322	ug/l	100
86) p-Isopropyltoluene	13.729	119	819934	48.715	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	429441	47.959	ug/l	100
88) 1,4-Dichlorobenzene	13.811	146	430180	47.592	ug/l	99
89) n-Butylbenzene	14.059	91	685182	48.748	ug/l	99
90) Hexachloroethane	14.335	117	122188	45.712	ug/l	78
91) 1,2-Dichlorobenzene	14.106	146	423308	49.784	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	56654	48.653	ug/l	95
93) 1,2,4-Trichlorobenzene	15.394	180	228879	48.482	ug/l	99
94) Hexachlorobutadiene	15.506	225	106296	39.550	ug/l	99
95) Naphthalene	15.641	128	735320	51.293	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	218820	48.032	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Abundance

TIC: VN080591.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

2900000
2800000
2700000
2600000
2500000
2400000
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2000000
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1400000
1300000
1200000
1100000
1000000
900000
800000
700000
600000
500000
400000
300000
200000
100000
0

Dichlorodifluoromethane, T
Chloromethane, P
Vinyl Chloride, C
Bromomethane, T
Chloroethane, T
Trichlorofluoromethane, T
Diethyl Ether, T
Acrolein, T
Acetone, T
Methyl Iodide, T
Carbon Disulfide, T
Methylene Chloride, T
Tert butyl alcohol, T
Acrylonitrile, I
Methyl 2,2-Dichloroacetate, T
1,1-Dichloroethane, P
Vinyl Acetate, T
Diisopropyl ether, T
Ethyl Acetate, T
Methacrylonitrile, T
Chloroform, C
Benzene, T
1,2-Dichloroethane, T
1,3-Dichloropropane, T
1,4-Difluorobenzene, I
Trichloroethene, TM
Bromochloromethane, T
Bromodichloromethane, T
cis-1,3-Dichloropropene, T
Toluene, CM
Ethyl methacrylate, T
1,1,2-Trichloroethane, T
1,3-Dichloropropane, T
1,2-Dibromomethane, T
Chlorobenzene, T
1,1,2,2-Tetrachloroethane, PM
N-ethyl acetate, T
Bromotoluene, P
trans-1,4-Dichloro-2-butene, T
1,1,2,2-Tetrachloroethane, S
1,2,3-Trichlorobenzene, T
1,3,5-Trimethylbenzene, T
4-Chlorotoluene, T
tert-Butylbenzene, T
sec-Butylbenzene, T
1,4-Dichlorobenzene, T
1,2-Dichlorobenzene, T
Hexachloroethane, T
1,2-Dibromo-3-Chloropropane, T
1,2,3-Trichlorobenzene, T
1,2,4-Trichlorobenzene, T
Hexachlorobutadiene, T
Naphthalene, T
1,2,3-Trichlorobenzene, T