

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053123\
 Data File : VN078005.D
 Acq On : 31 May 2023 20:10
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/01/2023
 Supervised By : Mahesh Dadoda 06/01/2023

Quant Time: Jun 01 01:58:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	370366	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	658340	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.876	117	589946	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	258026	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	272337	49.144	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.280%		
35) Dibromofluoromethane	8.177	113	237065	55.222	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	110.440%		
50) Toluene-d8	10.576	98	860563	52.080	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.160%		
62) 4-Bromofluorobenzene	12.859	95	292810	50.174	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.340%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	164701	39.075	ug/l	96
3) Chloromethane	2.371	50	201502	44.906	ug/l	98
4) Vinyl Chloride	2.518	62	260977	49.109	ug/l	100
5) Bromomethane	2.953	94	195405	49.717	ug/l	93
6) Chloroethane	3.118	64	193878	50.623	ug/l	98
7) Trichlorofluoromethane	3.500	101	366673	49.510	ug/l	99
8) Diethyl Ether	3.965	74	133221	49.273	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.383	101	195263	47.642	ug/l	97
10) Methyl Iodide	4.600	142	269534	55.143	ug/l	99
11) Tert butyl alcohol	5.541	59	185420	242.443	ug/l	99
12) 1,1-Dichloroethene	4.347	96	194053	49.816	ug/l	88
13) Acrolein	4.189	56	80187	157.955	ug/l	95
14) Allyl chloride	5.030	41	262350	45.845	ug/l	93
15) Acrylonitrile	5.736	53	508423	248.831	ug/l	99
16) Acetone	4.436	43	400028	229.444	ug/l	90
17) Carbon Disulfide	4.724	76	452071	43.071	ug/l	97
18) Methyl Acetate	5.036	43	361073	49.366	ug/l	91
19) Methyl tert-butyl Ether	5.806	73	704657	49.976	ug/l	95
20) Methylene Chloride	5.283	84	240790	53.188	ug/l	95
21) trans-1,2-Dichloroethene	5.800	96	217209	49.640	ug/l	90
22) Diisopropyl ether	6.683	45	678841	50.610	ug/l #	94
23) Vinyl Acetate	6.612	43	1999872	240.641	ug/l #	90
24) 1,1-Dichloroethane	6.577	63	433417	52.743	ug/l	97
25) 2-Butanone	7.494	43	652458	239.231	ug/l	88
26) 2,2-Dichloropropane	7.500	77	306805	43.946	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	269544	51.374	ug/l	92
28) Bromochloromethane	7.818	49	178615	50.258	ug/l	89
29) Tetrahydrofuran	7.847	42	424082	237.472	ug/l	84
30) Chloroform	7.977	83	472883	52.312	ug/l	95
31) Cyclohexane	8.265	56	334415	44.400	ug/l	93
32) 1,1,1-Trichloroethane	8.182	97	411971	53.604	ug/l	97
36) 1,1-Dichloropropene	8.382	75	331436	52.784	ug/l	97
37) Ethyl Acetate	7.571	43	259991	46.455	ug/l #	94
38) Carbon Tetrachloride	8.365	117	359748	56.737	ug/l	99
39) Methylcyclohexane	9.612	83	353908	46.038	ug/l	93
40) Benzene	8.618	78	1005719	54.277	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	142491	47.807	ug/l	92
42) 1,2-Dichloroethane	8.677	62	352874	52.426	ug/l	96
43) Isopropyl Acetate	8.700	43	466565	51.038	ug/l	94
44) Trichloroethene	9.359	130	256783	54.730	ug/l	99
45) 1,2-Dichloropropane	9.629	63	260677	55.154	ug/l	99
46) Dibromomethane	9.718	93	182777	54.044	ug/l	96
47) Bromodichloromethane	9.894	83	373604	57.700	ug/l	99
48) Methyl methacrylate	9.688	41	223046	51.462	ug/l	89
49) 1,4-Dioxane	9.706	88	95892	1171.402	ug/l	96
51) 4-Methyl-2-Pentanone	10.453	43	1434950	264.077	ug/l	92
52) Toluene	10.641	92	649933	56.342	ug/l	97
53) t-1,3-Dichloropropene	10.847	75	369818	53.935	ug/l	98
54) cis-1,3-Dichloropropene	10.323	75	402094	53.214	ug/l	94
55) 1,1,2-Trichloroethane	11.023	97	258286	56.391	ug/l	98
56) Ethyl methacrylate	10.882	69	376822	54.412	ug/l	92
57) 1,3-Dichloropropane	11.171	76	430574	54.835	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.171	63	735211	215.793	ug/l	93
59) 2-Hexanone	11.206	43	1003339	249.637	ug/l	92
60) Dibromochloromethane	11.365	129	277706	58.731	ug/l	99
61) 1,2-Dibromoethane	11.476	107	256923	56.227	ug/l	99
64) Tetrachloroethene	11.112	164	242694	58.826	ug/l	100
65) Chlorobenzene	11.900	112	697174	54.512	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.970	131	263107	59.456	ug/l	98
67) Ethyl Benzene	11.970	91	1247886	54.447	ug/l	99
68) m/p-Xylenes	12.076	106	956409	110.131	ug/l	99
69) o-Xylene	12.406	106	463399	54.259	ug/l	95
70) Styrene	12.417	104	760833	56.079	ug/l	98
71) Bromoform	12.588	173	174281	59.202	ug/l #	99
73) Isopropylbenzene	12.706	105	1205453	54.197	ug/l	99
74) N-amyl acetate	12.500	43	380601	46.295	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.947	83	352779	51.557	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	343901m	53.220	ug/l	
77) Bromobenzene	12.988	156	268905	52.978	ug/l	98
78) n-propylbenzene	13.047	91	1386570	52.879	ug/l	99
79) 2-Chlorotoluene	13.135	91	838686	53.600	ug/l	98
80) 1,3,5-Trimethylbenzene	13.182	105	978649	52.352	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.747	75	95137	47.062	ug/l #	80
82) 4-Chlorotoluene	13.229	91	791101	50.815	ug/l	98
83) tert-Butylbenzene	13.447	119	860164	52.708	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	982492	53.441	ug/l	100
85) sec-Butylbenzene	13.623	105	1167232	50.328	ug/l	99
86) p-Isopropyltoluene	13.735	119	971168	52.524	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	478509	50.977	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	459462	49.326	ug/l	100
89) n-Butylbenzene	14.064	91	765385	45.005	ug/l	96
90) Hexachloroethane	14.341	117	171487	56.457	ug/l	91
91) 1,2-Dichlorobenzene	14.111	146	472744	53.910	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.729	75	56374	42.555	ug/l	94
93) 1,2,4-Trichlorobenzene	15.400	180	189757	37.029	ug/l	97
94) Hexachlorobutadiene	15.506	225	87500	41.124	ug/l	100
95) Naphthalene	15.647	128	576631	32.691	ug/l	99
96) 1,2,3-Trichlorobenzene	15.853	180	197129	39.289	ug/l	98

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

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