

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061224\
 Data File : VN082521.D
 Acq On : 12 Jun 2024 11:12
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/13/2024
 Supervised By : Mahesh Dadoda 06/13/2024

Quant Time: Jun 12 15:58:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	192161	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	317678	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	296654	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	149402	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	143616	47.331	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.660%		
35) Dibromofluoromethane	8.165	113	106490	54.493	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	108.980%		
50) Toluene-d8	10.565	98	370891	49.503	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.000%		
62) 4-Bromofluorobenzene	12.853	95	142276	53.204	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	106.400%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	140796	50.820	ug/l	99
3) Chloromethane	2.365	50	154337	49.155	ug/l	99
4) Vinyl Chloride	2.512	62	154501	52.342	ug/l	98
5) Bromomethane	2.953	94	78870	46.486	ug/l	98
6) Chloroethane	3.118	64	99731	51.745	ug/l	97
7) Trichlorofluoromethane	3.500	101	203209	52.574	ug/l	96
8) Diethyl Ether	3.959	74	71079	51.621	ug/l	70
9) 1,1,2-Trichlorotrifluo...	4.371	101	117955	52.241	ug/l	99
10) Methyl Iodide	4.589	142	126709	55.823	ug/l	97
11) Tert butyl alcohol	5.524	59	114148	234.358	ug/l	99
12) 1,1-Dichloroethene	4.341	96	108488	51.695	ug/l #	82
13) Acrolein	4.177	56	86017	238.317	ug/l	100
14) Allyl chloride	5.024	41	212672	47.333	ug/l #	91
15) Acrylonitrile	5.718	53	329381	261.114	ug/l	99
16) Acetone	4.424	43	290272	233.204	ug/l	89
17) Carbon Disulfide	4.712	76	330341	48.736	ug/l	95
18) Methyl Acetate	5.024	43	169219	54.590	ug/l #	87
19) Methyl tert-butyl Ether	5.794	73	403424	52.591	ug/l	94
20) Methylene Chloride	5.283	84	129918	51.732	ug/l #	78
21) trans-1,2-Dichloroethene	5.783	96	120837	52.837	ug/l #	82
22) Diisopropyl ether	6.671	45	493440	52.592	ug/l #	93
23) Vinyl Acetate	6.600	43	1934795	261.555	ug/l #	90
24) 1,1-Dichloroethane	6.571	63	254031	52.530	ug/l	98
25) 2-Butanone	7.482	43	472314	250.275	ug/l #	84
26) 2,2-Dichloropropane	7.488	77	208535	51.483	ug/l	96
27) cis-1,2-Dichloroethene	7.488	96	143783	53.273	ug/l	83
28) Bromochloromethane	7.818	49	96493	45.729	ug/l #	79
29) Tetrahydrofuran	7.835	42	320764	264.728	ug/l #	83
30) Chloroform	7.965	83	252998	54.785	ug/l	99
31) Cyclohexane	8.259	56	222917	45.998	ug/l	88
32) 1,1,1-Trichloroethane	8.171	97	223949	54.662	ug/l	95
36) 1,1-Dichloropropene	8.371	75	178007	54.311	ug/l	96
37) Ethyl Acetate	7.559	43	201913	55.048	ug/l	95
38) Carbon Tetrachloride	8.365	117	195200	58.752	ug/l	98
39) Methylcyclohexane	9.600	83	188976	52.602	ug/l #	85
40) Benzene	8.606	78	547845	56.054	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	110517	51.233	ug/l #	87
42) 1,2-Dichloroethane	8.671	62	202165	53.783	ug/l	95
43) Isopropyl Acetate	8.688	43	350418	53.916	ug/l #	89
44) Trichloroethene	9.353	130	124484	56.071	ug/l	98
45) 1,2-Dichloropropane	9.624	63	141545	56.131	ug/l	99
46) Dibromomethane	9.712	93	93161	56.271	ug/l	98
47) Bromodichloromethane	9.888	83	202889	58.050	ug/l	98
48) Methyl methacrylate	9.682	41	166218	53.672	ug/l #	83
49) 1,4-Dioxane	9.694	88	50317	1159.468	ug/l #	81
51) 4-Methyl-2-Pentanone	10.447	43	1035852	280.512	ug/l	90
52) Toluene	10.629	92	344155	58.677	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	211074	58.393	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	220402	57.603	ug/l #	83
55) 1,1,2-Trichloroethane	11.018	97	123695	58.033	ug/l	99
56) Ethyl methacrylate	10.876	69	209559	57.909	ug/l #	76
57) 1,3-Dichloropropane	11.165	76	222959	55.946	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	503170	269.571	ug/l	91
59) 2-Hexanone	11.194	43	761890	281.781	ug/l	89
60) Dibromochloromethane	11.359	129	150345	63.917	ug/l	99
61) 1,2-Dibromoethane	11.470	107	127299	58.147	ug/l	98
64) Tetrachloroethene	11.106	164	127736	58.094	ug/l	95
65) Chlorobenzene	11.894	112	361054	55.093	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	128877	59.702	ug/l	99
67) Ethyl Benzene	11.965	91	659375	56.245	ug/l	97
68) m/p-Xylenes	12.070	106	500002	116.370	ug/l	96
69) o-Xylene	12.400	106	235872	56.672	ug/l	94
70) Styrene	12.412	104	411218	59.483	ug/l	97
71) Bromoform	12.576	173	100638	58.495	ug/l #	100
73) Isopropylbenzene	12.700	105	610011	51.395	ug/l	99
74) N-amyl acetate	12.494	43	306158	46.894	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.941	83	169864	49.647	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	140604m	44.713	ug/l	
77) Bromobenzene	12.982	156	146397	51.757	ug/l	90
78) n-propylbenzene	13.035	91	740947	52.718	ug/l	97
79) 2-Chlorotoluene	13.129	91	437772	49.602	ug/l	95
80) 1,3,5-Trimethylbenzene	13.176	105	517591	53.931	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	67514	50.218	ug/l #	83
82) 4-Chlorotoluene	13.223	91	449567	52.099	ug/l	95
83) tert-Butylbenzene	13.441	119	426167	50.757	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	523936	53.360	ug/l	97
85) sec-Butylbenzene	13.617	105	605435	52.023	ug/l	99
86) p-Isopropyltoluene	13.729	119	515493	54.503	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	273245	53.321	ug/l	98
88) 1,4-Dichlorobenzene	13.811	146	269779	51.581	ug/l	98
89) n-Butylbenzene	14.059	91	440311	51.795	ug/l	98
90) Hexachloroethane	14.335	117	97158	55.444	ug/l	94
91) 1,2-Dichlorobenzene	14.106	146	260940	53.794	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	37013	52.653	ug/l	87
93) 1,2,4-Trichlorobenzene	15.394	180	139985	51.484	ug/l	99
94) Hexachlorobutadiene	15.505	225	60922	51.063	ug/l	97
95) Naphthalene	15.641	128	449178	52.715	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	140022	51.442	ug/l	95

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

