

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062024\
 Data File : VN082656.D
 Acq On : 20 Jun 2024 10:00
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/21/2024
 Supervised By : Mahesh Dadoda 06/21/2024

Quant Time: Jun 21 02:00:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:52:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	179738	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	293725	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	277532	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	142178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	149103	51.730	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.460%			
35) Dibromofluoromethane	8.165	113	105656	53.024	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.040%			
50) Toluene-d8	10.571	98	414051	54.948	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.900%			
62) 4-Bromofluorobenzene	12.847	95	145227	55.902	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 111.800%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	119141	47.462	ug/l	99
3) Chloromethane	2.359	50	135208	44.931	ug/l	96
4) Vinyl Chloride	2.512	62	131929	46.068	ug/l	98
5) Bromomethane	2.942	94	81598	44.263	ug/l	94
6) Chloroethane	3.112	64	96843	47.423	ug/l	97
7) Trichlorofluoromethane	3.495	101	178145	47.681	ug/l	100
8) Diethyl Ether	3.953	74	60900	47.862	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	103253	49.339	ug/l	99
10) Methyl Iodide	4.583	142	110728	55.546	ug/l	97
11) Tert butyl alcohol	5.524	59	116671	247.321	ug/l	98
12) 1,1-Dichloroethene	4.342	96	97462	48.701	ug/l	93
13) Acrolein	4.183	56	104838	218.163	ug/l	98
14) Allyl chloride	5.018	41	178474	45.600	ug/l	96
15) Acrylonitrile	5.724	53	310947	249.714	ug/l	99
16) Acetone	4.430	43	311249	237.439	ug/l	98
17) Carbon Disulfide	4.712	76	282994	44.528	ug/l	99
18) Methyl Acetate	5.030	43	156907	48.940	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	352939	51.522	ug/l	97
20) Methylene Chloride	5.277	84	115223	49.997	ug/l	90
21) trans-1,2-Dichloroethene	5.783	96	105386	49.550	ug/l	98
22) Diisopropyl ether	6.671	45	427489	52.081	ug/l	97
23) Vinyl Acetate	6.606	43	1698574	260.959	ug/l	99
24) 1,1-Dichloroethane	6.571	63	225285	50.667	ug/l	99
25) 2-Butanone	7.483	43	471897	253.270	ug/l	100
26) 2,2-Dichloropropane	7.494	77	191788	49.721	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	125869	49.116	ug/l	99
28) Bromochloromethane	7.812	49	101702	50.120	ug/l	99
29) Tetrahydrofuran	7.841	42	308619	270.571	ug/l	99
30) Chloroform	7.965	83	222690	51.342	ug/l	99
31) Cyclohexane	8.259	56	188470	45.308	ug/l	97
32) 1,1,1-Trichloroethane	8.171	97	195869	49.799	ug/l	98
36) 1,1-Dichloropropene	8.371	75	157573	52.900	ug/l	99
37) Ethyl Acetate	7.565	43	188293	49.625	ug/l	98
38) Carbon Tetrachloride	8.365	117	174172	51.885	ug/l	99
39) Methylcyclohexane	9.606	83	164871	52.594	ug/l	96
40) Benzene	8.606	78	481080	52.269	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	100984	52.066	ug/l	99
42) 1,2-Dichloroethane	8.671	62	182903	52.244	ug/l	99
43) Isopropyl Acetate	8.688	43	342012	48.232	ug/l	99
44) Trichloroethene	9.353	130	107734	50.409	ug/l	99
45) 1,2-Dichloropropane	9.624	63	127534	53.833	ug/l	99
46) Dibromomethane	9.712	93	85349	53.146	ug/l	98
47) Bromodichloromethane	9.888	83	180923	52.843	ug/l	98
48) Methyl methacrylate	9.682	41	152111	52.036	ug/l	100
49) 1,4-Dioxane	9.694	88	52941	1157.833	ug/l	99
51) 4-Methyl-2-Pentanone	10.447	43	1000083	274.970	ug/l	100
52) Toluene	10.629	92	306307	54.915	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	187405	53.543	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	196821	54.379	ug/l	100
55) 1,1,2-Trichloroethane	11.018	97	111796	55.376	ug/l	97
56) Ethyl methacrylate	10.876	69	188467	56.365	ug/l	98
57) 1,3-Dichloropropane	11.165	76	202299	54.204	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	488360	276.092	ug/l	98
59) 2-Hexanone	11.194	43	762201	275.727	ug/l	99
60) Dibromochloromethane	11.359	129	137173	55.661	ug/l	100
61) 1,2-Dibromoethane	11.471	107	111877	52.560	ug/l	96
64) Tetrachloroethene	11.106	164	105771	46.222	ug/l	95
65) Chlorobenzene	11.894	112	324858	51.044	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	118038	52.014	ug/l	99
67) Ethyl Benzene	11.965	91	583667	53.823	ug/l	99
68) m/p-Xylenes	12.071	106	445631	110.459	ug/l	99
69) o-Xylene	12.400	106	207997	54.876	ug/l	98
70) Styrene	12.412	104	373209	58.014	ug/l	100
71) Bromoform	12.576	173	95786	53.386	ug/l #	99
73) Isopropylbenzene	12.700	105	537602	49.795	ug/l	98
74) N-amyl acetate	12.494	43	283183	49.148	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	167435	47.544	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	159021m	45.729	ug/l	
77) Bromobenzene	12.982	156	134567	48.423	ug/l	98
78) n-propylbenzene	13.035	91	667326	52.255	ug/l	100
79) 2-Chlorotoluene	13.129	91	398659	49.779	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	461225	52.642	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	75770	52.128	ug/l	95
82) 4-Chlorotoluene	13.223	91	400679	50.083	ug/l	99
83) tert-Butylbenzene	13.441	119	384710	51.548	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	472217	53.727	ug/l	99
85) sec-Butylbenzene	13.617	105	548646	51.763	ug/l	100
86) p-Isopropyltoluene	13.729	119	461498	54.069	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	250764	49.768	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	250939	47.647	ug/l	98
89) n-Butylbenzene	14.059	91	391492	51.708	ug/l	100
90) Hexachloroethane	14.335	117	89956	48.439	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	240173	48.817	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	35244	47.288	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	123213	47.494	ug/l	99
94) Hexachlorobutadiene	15.506	225	54238	42.402	ug/l	99
95) Naphthalene	15.641	128	407180	51.016	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	126960	48.022	ug/l	98

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

