

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062524\
 Data File : VN082730.D
 Acq On : 25 Jun 2024 20:15
 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 06/26/2024
 Supervised By : Mahesh Dadoda 06/26/2024

Quant Time: Jun 26 01:29:26 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	168130	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	280839	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	270189	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	136668	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	142284	52.772	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.540%			
35) Dibromofluoromethane	8.165	113	100626	52.817	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.640%			
50) Toluene-d8	10.571	98	385852	53.555	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.120%			
62) 4-Bromofluorobenzene	12.847	95	135474	54.540	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 109.080%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	113005	48.126	ug/l	98
3) Chloromethane	2.359	50	130633	46.408	ug/l	97
4) Vinyl Chloride	2.512	62	128469	47.957	ug/l	98
5) Bromomethane	2.942	94	72809	42.222	ug/l	96
6) Chloroethane	3.106	64	96286	50.406	ug/l	97
7) Trichlorofluoromethane	3.489	101	170095	48.670	ug/l	99
8) Diethyl Ether	3.959	74	60331	50.689	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	99444	50.800	ug/l	99
10) Methyl Iodide	4.589	142	102408	54.919	ug/l #	91
11) Tert butyl alcohol	5.530	59	108463	245.796	ug/l	99
12) 1,1-Dichloroethene	4.336	96	91168	48.701	ug/l	96
13) Acrolein	4.183	56	91865	204.365	ug/l	97
14) Allyl chloride	5.024	41	173552	47.404	ug/l	97
15) Acrylonitrile	5.724	53	313395	269.056	ug/l	99
16) Acetone	4.430	43	281631	229.678	ug/l	98
17) Carbon Disulfide	4.712	76	249724	42.006	ug/l	99
18) Methyl Acetate	5.030	43	177565	59.207	ug/l	100
19) Methyl tert-butyl Ether	5.800	73	354141	55.267	ug/l	99
20) Methylene Chloride	5.277	84	112083	51.992	ug/l	93
21) trans-1,2-Dichloroethene	5.783	96	99581	50.053	ug/l	95
22) Diisopropyl ether	6.677	45	418208	54.468	ug/l	98
23) Vinyl Acetate	6.606	43	1634527	268.457	ug/l	100
24) 1,1-Dichloroethane	6.571	63	216694	52.099	ug/l	99
25) 2-Butanone	7.488	43	455023	261.075	ug/l	99
26) 2,2-Dichloropropane	7.494	77	144008	39.912	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	123333	51.449	ug/l	95
28) Bromochloromethane	7.818	49	100552	52.974	ug/l	99
29) Tetrahydrofuran	7.841	42	311659	292.101	ug/l	100
30) Chloroform	7.971	83	218864	53.944	ug/l	96
31) Cyclohexane	8.259	56	180037	46.269	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	192355	52.283	ug/l	99
36) 1,1-Dichloropropene	8.371	75	147875	51.922	ug/l	99
37) Ethyl Acetate	7.565	43	188211	51.879	ug/l	100
38) Carbon Tetrachloride	8.365	117	168164	52.394	ug/l	98
39) Methylcyclohexane	9.606	83	149548	49.895	ug/l	98
40) Benzene	8.606	78	459945	52.265	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	102001	55.004	ug/l	98
42) 1,2-Dichloroethane	8.671	62	179077	53.498	ug/l	99
43) Isopropyl Acetate	8.688	43	369996	54.572	ug/l	96
44) Trichloroethene	9.353	130	101596	49.718	ug/l	96
45) 1,2-Dichloropropane	9.624	63	121386	53.589	ug/l	93
46) Dibromomethane	9.712	93	83010	54.062	ug/l	99
47) Bromodichloromethane	9.888	83	178231	54.445	ug/l	99
48) Methyl methacrylate	9.682	41	154459	55.263	ug/l	99
49) 1,4-Dioxane	9.694	88	48558	1110.704	ug/l	94
51) 4-Methyl-2-Pentanone	10.447	43	1011259	290.800	ug/l	100
52) Toluene	10.635	92	295035	55.321	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	181732	54.304	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	183104	52.910	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	112613	58.340	ug/l	94
56) Ethyl methacrylate	10.876	69	189557	59.292	ug/l	100
57) 1,3-Dichloropropane	11.165	76	199935	56.028	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	481154	284.500	ug/l	99
59) 2-Hexanone	11.200	43	756813	286.339	ug/l	99
60) Dibromochloromethane	11.359	129	135854	57.655	ug/l	99
61) 1,2-Dibromoethane	11.470	107	113098	55.571	ug/l	98
64) Tetrachloroethene	11.106	164	94247	42.306	ug/l	98
65) Chlorobenzene	11.894	112	317197	51.195	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	114859	51.988	ug/l	98
67) Ethyl Benzene	11.965	91	560507	53.092	ug/l	100
68) m/p-Xylenes	12.076	106	432335	110.076	ug/l	98
69) o-Xylene	12.400	106	204041	55.295	ug/l	98
70) Styrene	12.412	104	361253	57.681	ug/l	100
71) Bromoform	12.582	173	96222	55.087	ug/l #	100
73) Isopropylbenzene	12.700	105	531010	51.167	ug/l	99
74) N-amyl acetate	12.494	43	294560	53.183	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.941	83	170382	50.332	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	159765m	47.795	ug/l	
77) Bromobenzene	12.982	156	131400	49.190	ug/l	100
78) n-propylbenzene	13.035	91	640378	52.166	ug/l	99
79) 2-Chlorotoluene	13.129	91	388005	50.402	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	453793	53.882	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	63006	45.095	ug/l	93
82) 4-Chlorotoluene	13.223	91	389568	50.657	ug/l	99
83) tert-Butylbenzene	13.441	119	379056	52.838	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	461223	54.592	ug/l	100
85) sec-Butylbenzene	13.617	105	539329	52.935	ug/l	100
86) p-Isopropyltoluene	13.729	119	445843	54.341	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	244598	50.501	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	241720	47.747	ug/l	99
89) n-Butylbenzene	14.059	91	383359	52.676	ug/l	100
90) Hexachloroethane	14.335	117	88583	49.623	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	233863	49.451	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	37914	52.921	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	122064	48.948	ug/l	100
94) Hexachlorobutadiene	15.500	225	51538	41.916	ug/l	97
95) Naphthalene	15.641	128	428069	55.796	ug/l	100
96) 1,2,3-Trichlorobenzene	15.847	180	126703	49.857	ug/l	97

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

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