

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061224\
 Data File : VN082528.D
 Acq On : 12 Jun 2024 14:58
 Operator : JC\MD
 Sample : VN0612WBSD02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBSD02

Manual Integrations
 APPROVED

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

Quant Time: Jun 12 16:04:19 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	8.229	168	177456	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	294512	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	269428	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	128666	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	145753	52.016	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.040%			
35) Dibromofluoromethane	8.171	113	107312	59.233	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 118.460%			
50) Toluene-d8	10.570	98	374244	53.880	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.760%			
62) 4-Bromofluorobenzene	12.853	95	135716	54.743	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 109.480%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	46025	17.989	ug/l	95
3) Chloromethane	2.365	50	49047	16.916	ug/l	97
4) Vinyl Chloride	2.518	62	47645	17.479	ug/l	100
5) Bromomethane	2.959	94	28747	18.348	ug/l	97
6) Chloroethane	3.124	64	31133	17.492	ug/l	94
7) Trichlorofluoromethane	3.500	101	66131	18.527	ug/l	100
8) Diethyl Ether	3.959	74	23071	18.144	ug/l	71
9) 1,1,2-Trichlorotrifluo...	4.371	101	38397	18.415	ug/l	100
10) Methyl Iodide	4.594	142	36849	17.579	ug/l	96
11) Tert butyl alcohol	5.518	59	35541	79.016	ug/l	99
12) 1,1-Dichloroethene	4.341	96	35121	18.122	ug/l	85
13) Acrolein	4.177	56	26258	78.778	ug/l	94
14) Allyl chloride	5.024	41	67325	16.226	ug/l #	92
15) Acrylonitrile	5.718	53	102884	88.319	ug/l	99
16) Acetone	4.424	43	105591	91.861	ug/l	89
17) Carbon Disulfide	4.712	76	103480	16.532	ug/l	99
18) Methyl Acetate	5.030	43	55803	19.494	ug/l #	84
19) Methyl tert-butyl Ether	5.800	73	121793	17.193	ug/l	97
20) Methylene Chloride	5.277	84	43307	18.674	ug/l #	78
21) trans-1,2-Dichloroethene	5.788	96	36755	17.403	ug/l #	78
22) Diisopropyl ether	6.677	45	150946	17.421	ug/l #	93
23) Vinyl Acetate	6.606	43	580420	84.966	ug/l #	91
24) 1,1-Dichloroethane	6.565	63	80557	18.038	ug/l	97
25) 2-Butanone	7.488	43	154501	88.653	ug/l #	84
26) 2,2-Dichloropropane	7.494	77	72087	19.272	ug/l	94
27) cis-1,2-Dichloroethene	7.494	96	43945	17.631	ug/l	78
28) Bromochloromethane	7.812	49	28750	14.263	ug/l #	77
29) Tetrahydrofuran	7.841	42	96339	86.098	ug/l #	83
30) Chloroform	7.965	83	78721	18.459	ug/l	97
31) Cyclohexane	8.259	56	73894	16.511	ug/l	86
32) 1,1,1-Trichloroethane	8.171	97	70453	18.621	ug/l	93
36) 1,1-Dichloropropene	8.371	75	55141	18.147	ug/l	96
37) Ethyl Acetate	7.565	43	62714	18.443	ug/l #	94
38) Carbon Tetrachloride	8.365	117	59921	19.454	ug/l	96
39) Methylcyclohexane	9.606	83	57869	17.375	ug/l #	87
40) Benzene	8.606	78	169878	18.749	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	33746	16.874	ug/l #	87
42) 1,2-Dichloroethane	8.671	62	63525	18.229	ug/l	96
43) Isopropyl Acetate	8.688	43	115291	19.134	ug/l #	88
44) Trichloroethene	9.359	130	39453	19.168	ug/l	96
45) 1,2-Dichloropropane	9.623	63	43888	18.773	ug/l	96
46) Dibromomethane	9.712	93	29623	19.300	ug/l	99
47) Bromodichloromethane	9.888	83	64159	19.801	ug/l	96
48) Methyl methacrylate	9.682	41	49420	17.213	ug/l #	85
49) 1,4-Dioxane	9.694	88	14272	354.742	ug/l #	77
51) 4-Methyl-2-Pentanone	10.447	43	317203	92.656	ug/l	90
52) Toluene	10.629	92	102228	18.801	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	63761	19.027	ug/l	96
54) cis-1,3-Dichloropropene	10.312	75	67857	19.130	ug/l #	81
55) 1,1,2-Trichloroethane	11.018	97	39342	19.910	ug/l	98
56) Ethyl methacrylate	10.876	69	60226	17.952	ug/l #	71
57) 1,3-Dichloropropane	11.165	76	68481	18.535	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	150706	87.091	ug/l	91
59) 2-Hexanone	11.194	43	239351	95.486	ug/l	88
60) Dibromochloromethane	11.359	129	45371	20.806	ug/l	99
61) 1,2-Dibromoethane	11.470	107	37982	18.714	ug/l	99
64) Tetrachloroethene	11.106	164	39328	19.694	ug/l	94
65) Chlorobenzene	11.894	112	108296	18.195	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	39162	19.975	ug/l	99
67) Ethyl Benzene	11.965	91	191384	17.975	ug/l	99
68) m/p-Xylenes	12.070	106	142447	36.503	ug/l	94
69) o-Xylene	12.400	106	68202	18.043	ug/l	95
70) Styrene	12.412	104	114574	18.248	ug/l	95
71) Bromoform	12.576	173	29544	19.382	ug/l #	98
73) Isopropylbenzene	12.700	105	174084	17.031	ug/l	98
74) N-amyl acetate	12.494	43	87346	15.535	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.941	83	51871	17.604	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	51157m	18.890	ug/l	
77) Bromobenzene	12.982	156	43041	17.669	ug/l	89
78) n-propylbenzene	13.035	91	207929	17.178	ug/l	96
79) 2-Chlorotoluene	13.129	91	127552	16.781	ug/l	95
80) 1,3,5-Trimethylbenzene	13.176	105	146240	17.693	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.741	75	19307	16.675	ug/l #	71
82) 4-Chlorotoluene	13.223	91	129700	17.453	ug/l	93
83) tert-Butylbenzene	13.441	119	118840	16.435	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	145262	17.178	ug/l	97
85) sec-Butylbenzene	13.617	105	173456	17.306	ug/l	98
86) p-Isopropyltoluene	13.729	119	142474	17.491	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	78491	17.785	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	78471	17.421	ug/l	98
89) n-Butylbenzene	14.059	91	122893	16.786	ug/l	98
90) Hexachloroethane	14.335	117	28771	19.064	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	76549	18.324	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	10676	17.635	ug/l	91
93) 1,2,4-Trichlorobenzene	15.400	180	39260	16.766	ug/l	99
94) Hexachlorobutadiene	15.500	225	18939	18.432	ug/l	98
95) Naphthalene	15.641	128	116157	15.829	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	39548	16.871	ug/l	95

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

