

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052224\
 Data File : VN082286.D
 Acq On : 22 May 2024 12:13
 Operator : JC\MD
 Sample : VN0522WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/23/2024
 Supervised By : Mahesh Dadoda 05/23/2024

Quant Time: May 23 01:50:15 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	210948	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	366256	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	325297	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	147432	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	171876	51.600	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.200%			
35) Dibromofluoromethane	8.171	113	116019	51.494	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.980%			
50) Toluene-d8	10.570	98	420189	48.644	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.280%			
62) 4-Bromofluorobenzene	12.853	95	153331	49.733	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 99.460%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	53733	17.668	ug/l	98
3) Chloromethane	2.359	50	58475	16.965	ug/l	94
4) Vinyl Chloride	2.512	62	56056	17.300	ug/l	92
5) Bromomethane	2.959	94	34849	18.711	ug/l	99
6) Chloroethane	3.124	64	38684	18.283	ug/l	97
7) Trichlorofluoromethane	3.500	101	82135	19.357	ug/l	98
8) Diethyl Ether	3.959	74	32122	21.251	ug/l	77
9) 1,1,2-Trichlorotrifluo...	4.371	101	43887	17.706	ug/l	98
10) Methyl Iodide	4.588	142	45831	18.393	ug/l	93
11) Tert butyl alcohol	5.518	59	60066	112.339	ug/l	98
12) 1,1-Dichloroethene	4.347	96	44033	19.113	ug/l	83
13) Acrolein	4.183	56	29968	75.634	ug/l	96
14) Allyl chloride	5.024	41	89277	18.100	ug/l #	90
15) Acrylonitrile	5.724	53	144041	104.018	ug/l	98
16) Acetone	4.430	43	132551	97.007	ug/l	92
17) Carbon Disulfide	4.712	76	118155	15.879	ug/l	97
18) Methyl Acetate	5.024	43	72247	21.231	ug/l #	87
19) Methyl tert-butyl Ether	5.794	73	176946	21.013	ug/l	98
20) Methylene Chloride	5.277	84	52320	18.978	ug/l #	77
21) trans-1,2-Dichloroethene	5.788	96	45950	18.303	ug/l #	78
22) Diisopropyl ether	6.677	45	199222	19.343	ug/l #	94
23) Vinyl Acetate	6.606	43	805325	99.172	ug/l #	90
24) 1,1-Dichloroethane	6.565	63	101222	19.067	ug/l	96
25) 2-Butanone	7.482	43	213354	102.986	ug/l #	85
26) 2,2-Dichloropropane	7.494	77	83627	18.807	ug/l	95
27) cis-1,2-Dichloroethene	7.488	96	59957	20.236	ug/l	84
28) Bromochloromethane	7.818	49	42115	17.661	ug/l #	78
29) Tetrahydrofuran	7.841	42	139526	104.896	ug/l #	84
30) Chloroform	7.965	83	99905	19.707	ug/l	95
31) Cyclohexane	8.259	56	87930	16.528	ug/l	88
32) 1,1,1-Trichloroethane	8.171	97	89374	19.872	ug/l	96
36) 1,1-Dichloropropene	8.371	75	66934	17.713	ug/l	97
37) Ethyl Acetate	7.565	43	85503	20.219	ug/l	95
38) Carbon Tetrachloride	8.365	117	73177	19.104	ug/l	100
39) Methylcyclohexane	9.600	83	73388	17.718	ug/l #	86
40) Benzene	8.612	78	212938	18.897	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	47913	19.265	ug/l #	87
42) 1,2-Dichloroethane	8.671	62	87120	20.103	ug/l	94
43) Isopropyl Acetate	8.688	43	159378	21.270	ug/l #	88
44) Trichloroethene	9.353	130	48567	18.974	ug/l	92
45) 1,2-Dichloropropane	9.623	63	55160	18.973	ug/l	98
46) Dibromomethane	9.712	93	38507	20.174	ug/l	98
47) Bromodichloromethane	9.888	83	80661	20.018	ug/l #	93
48) Methyl methacrylate	9.682	41	72445	20.290	ug/l #	82
49) 1,4-Dioxane	9.700	88	22722	454.143	ug/l #	78
51) 4-Methyl-2-Pentanone	10.447	43	454165	106.677	ug/l	89
52) Toluene	10.635	92	131571	19.457	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	83300	19.988	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	86831	19.684	ug/l #	78
55) 1,1,2-Trichloroethane	11.018	97	49466	20.130	ug/l	95
56) Ethyl methacrylate	10.876	69	88461	21.203	ug/l #	72
57) 1,3-Dichloropropane	11.165	76	90630	19.725	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	227918	105.910	ug/l	91
59) 2-Hexanone	11.194	43	335132	107.507	ug/l	89
60) Dibromochloromethane	11.365	129	57406	21.168	ug/l	99
61) 1,2-Dibromoethane	11.470	107	50504	20.009	ug/l	98
64) Tetrachloroethene	11.106	164	48722	20.207	ug/l	94
65) Chlorobenzene	11.894	112	138251	19.238	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.964	131	49012	20.705	ug/l	98
67) Ethyl Benzene	11.964	91	247319	19.239	ug/l	98
68) m/p-Xylenes	12.076	106	183166	38.876	ug/l	92
69) o-Xylene	12.400	106	90251	19.775	ug/l	92
70) Styrene	12.412	104	150529	19.857	ug/l	95
71) Bromoform	12.576	173	38025	20.615	ug/l #	98
73) Isopropylbenzene	12.700	105	229371	19.583	ug/l	97
74) N-amyl acetate	12.494	43	129456	20.094	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.941	83	70100	20.762	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	68699m	22.139	ug/l	
77) Bromobenzene	12.982	156	56392	20.203	ug/l	88
78) n-propylbenzene	13.035	91	265038	19.109	ug/l	98
79) 2-Chlorotoluene	13.129	91	167547	19.238	ug/l	94
80) 1,3,5-Trimethylbenzene	13.176	105	187888	19.839	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.741	75	24575	18.523	ug/l #	74
82) 4-Chlorotoluene	13.223	91	164883	19.363	ug/l	94
83) tert-Butylbenzene	13.441	119	162216	19.578	ug/l	94
84) 1,2,4-Trimethylbenzene	13.482	105	190255	19.635	ug/l	96
85) sec-Butylbenzene	13.617	105	224205	19.523	ug/l	97
86) p-Isopropyltoluene	13.729	119	185471	19.872	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	97806	19.341	ug/l	98
88) 1,4-Dichlorobenzene	13.811	146	98478	19.080	ug/l	95
89) n-Butylbenzene	14.058	91	157435	18.767	ug/l	98
90) Hexachloroethane	14.335	117	33772	19.530	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	98525	20.583	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	16189	23.337	ug/l	81
93) 1,2,4-Trichlorobenzene	15.394	180	53335	19.878	ug/l	97
94) Hexachlorobutadiene	15.505	225	22153	18.816	ug/l	98
95) Naphthalene	15.641	128	181130	21.541	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	53620	19.962	ug/l	97

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

