

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041224\
 Data File : VN081706.D
 Acq On : 12 Apr 2024 09:37
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/15/2024
 Supervised By : Mahesh Dadoda 04/15/2024

Quant Time: Apr 13 06:50:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	280155	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	482840	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	475624	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	246788	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	202073	56.560	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.120%			
35) Dibromofluoromethane	8.171	113	177489	58.246	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 116.500%			
50) Toluene-d8	10.571	98	609323	55.316	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.640%			
62) 4-Bromofluorobenzene	12.853	95	242035	62.358	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 124.720%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	168463	44.658	ug/l	96
3) Chloromethane	2.359	50	186851	49.749	ug/l	99
4) Vinyl Chloride	2.512	62	221410	52.528	ug/l	91
5) Bromomethane	2.953	94	99380	33.338	ug/l	99
6) Chloroethane	3.118	64	113167	39.103	ug/l	96
7) Trichlorofluoromethane	3.495	101	317497	50.541	ug/l	94
8) Diethyl Ether	3.959	74	98120	47.196	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.365	101	188816	52.898	ug/l #	90
10) Methyl Iodide	4.583	142	149222	41.980	ug/l	98
11) Tert butyl alcohol	5.512	59	153751	246.946	ug/l	99
12) 1,1-Dichloroethene	4.342	96	165637	50.098	ug/l	92
13) Acrolein	4.177	56	93776	167.852	ug/l	95
14) Allyl chloride	5.024	41	209083	50.467	ug/l #	82
15) Acrylonitrile	5.712	53	419674	251.959	ug/l	98
16) Acetone	4.418	43	265543	229.984	ug/l	94
17) Carbon Disulfide	4.712	76	484701	51.086	ug/l	97
18) Methyl Acetate	5.018	43	165721	46.555	ug/l #	89
19) Methyl tert-butyl Ether	5.800	73	582779	56.321	ug/l	93
20) Methylene Chloride	5.277	84	205823	54.419	ug/l #	85
21) trans-1,2-Dichloroethene	5.783	96	194119	52.657	ug/l	91
22) Diisopropyl ether	6.665	45	559022	58.072	ug/l #	88
23) Vinyl Acetate	6.600	43	2190490	285.878	ug/l #	90
24) 1,1-Dichloroethane	6.571	63	357348	55.424	ug/l	96
25) 2-Butanone	7.482	43	483545	244.164	ug/l #	86
26) 2,2-Dichloropropane	7.488	77	336341	60.145	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	239200	57.348	ug/l	87
28) Bromochloromethane	7.818	49	128472	48.921	ug/l #	54
29) Tetrahydrofuran	7.835	42	338002	253.349	ug/l #	76
30) Chloroform	7.965	83	417321	60.462	ug/l	99
31) Cyclohexane	8.259	56	301517	51.862	ug/l #	71
32) 1,1,1-Trichloroethane	8.171	97	368338	58.820	ug/l #	93
36) 1,1-Dichloropropene	8.371	75	273105	53.257	ug/l	95
37) Ethyl Acetate	7.559	43	226976	51.689	ug/l	96
38) Carbon Tetrachloride	8.365	117	321795	57.283	ug/l	99
39) Methylcyclohexane	9.606	83	329699	57.572	ug/l	91
40) Benzene	8.606	78	880586	58.736	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	116511	50.172	ug/l #	89
42) 1,2-Dichloroethane	8.671	62	294294	55.778	ug/l	99
43) Isopropyl Acetate	8.688	43	385568	52.971	ug/l #	90
44) Trichloroethene	9.353	130	219118	51.965	ug/l	97
45) 1,2-Dichloropropane	9.624	63	205478	56.552	ug/l	98
46) Dibromomethane	9.706	93	165068	59.822	ug/l #	88
47) Bromodichloromethane	9.888	83	332319	61.599	ug/l #	96
48) Methyl methacrylate	9.682	41	177069	52.741	ug/l #	82
49) 1,4-Dioxane	9.694	88	80310	995.399	ug/l #	70
51) 4-Methyl-2-Pentanone	10.447	43	1191345	268.229	ug/l	91
52) Toluene	10.629	92	584736	61.363	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	328846	56.449	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	344419	55.143	ug/l	91
55) 1,1,2-Trichloroethane	11.018	97	219958	57.357	ug/l	94
56) Ethyl methacrylate	10.876	69	315362	54.669	ug/l #	82
57) 1,3-Dichloropropane	11.165	76	358360	57.004	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.159	63	714332	296.034	ug/l #	85
59) 2-Hexanone	11.200	43	885459	269.645	ug/l	90
60) Dibromochloromethane	11.359	129	267015	63.312	ug/l	100
61) 1,2-Dibromoethane	11.470	107	227390	58.160	ug/l	97
64) Tetrachloroethene	11.106	164	244780	53.841	ug/l	90
65) Chlorobenzene	11.894	112	647336	57.573	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	229241	55.010	ug/l	97
67) Ethyl Benzene	11.965	91	1117946	57.239	ug/l	98
68) m/p-Xylenes	12.070	106	895782	122.342	ug/l	94
69) o-Xylene	12.400	106	421930	58.698	ug/l	94
70) Styrene	12.412	104	741270	63.941	ug/l	96
71) Bromoform	12.582	173	176521	56.370	ug/l #	97
73) Isopropylbenzene	12.700	105	1105056	52.531	ug/l	98
74) N-amyl acetate	12.494	43	357871	47.009	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.941	83	281419	45.500	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	271395m	45.974	ug/l	
77) Bromobenzene	12.982	156	268146	51.600	ug/l	70
78) n-propylbenzene	13.035	91	1332983	53.656	ug/l	94
79) 2-Chlorotoluene	13.123	91	791305	53.219	ug/l	92
80) 1,3,5-Trimethylbenzene	13.176	105	955838	55.012	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.741	75	104293	47.742	ug/l	89
82) 4-Chlorotoluene	13.223	91	796104	54.307	ug/l	92
83) tert-Butylbenzene	13.441	119	801391	53.486	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	976053	55.892	ug/l	96
85) sec-Butylbenzene	13.617	105	1178964	55.043	ug/l	94
86) p-Isopropyltoluene	13.729	119	1007065	57.518	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	515054	53.945	ug/l	95
88) 1,4-Dichlorobenzene	13.817	146	516092	52.203	ug/l	96
89) n-Butylbenzene	14.059	91	862946	55.582	ug/l	96
90) Hexachloroethane	14.335	117	183820	55.436	ug/l	94
91) 1,2-Dichlorobenzene	14.106	146	490777	53.406	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.723	75	59190	44.967	ug/l	74
93) 1,2,4-Trichlorobenzene	15.394	180	275119	51.777	ug/l	99
94) Hexachlorobutadiene	15.506	225	104562	44.850	ug/l	97
95) Naphthalene	15.647	128	882553	51.259	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	274927	51.440	ug/l	98

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

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