

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052523\
 Data File : VN077915.D
 Acq On : 25 May 2023 20:26
 Operator : JC\MD
 Sample : 02944-05MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW11-GW-338-340MSD

Quant Time: May 26 04:39:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/26/2023
 Supervised By : Mahesh Dadoda 05/26/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	351038	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	629172	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	546561	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	229158	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	274430	52.248	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.500%			
35) Dibromofluoromethane	8.177	113	237571	57.905	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 115.820%			
50) Toluene-d8	10.576	98	888167	56.242	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 112.480%			
62) 4-Bromofluorobenzene	12.859	95	300180	53.821	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.640%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	194846	48.772	ug/l	94
3) Chloromethane	2.371	50	218346	51.606	ug/l	98
4) Vinyl Chloride	2.524	62	278209	55.234	ug/l	98
5) Bromomethane	2.959	94	204748	54.963	ug/l	99
6) Chloroethane	3.130	64	198087	54.570	ug/l	99
7) Trichlorofluoromethane	3.506	101	398760	56.807	ug/l	97
8) Diethyl Ether	3.971	74	145234	56.674	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.389	101	213482	54.955	ug/l	99
10) Methyl Iodide	4.600	142	315445	68.089	ug/l	99
11) Tert butyl alcohol	5.536	59	170654	235.422	ug/l	98
12) 1,1-Dichloroethene	4.347	96	215302	58.314	ug/l	87
13) Acrolein	4.195	56	108611	239.653	ug/l	91
14) Allyl chloride	5.036	41	281654	51.928	ug/l	93
15) Acrylonitrile	5.730	53	501230	258.817	ug/l	98
16) Acetone	4.442	43	382601	231.531	ug/l	99
17) Carbon Disulfide	4.724	76	528081	53.083	ug/l	98
18) Methyl Acetate	5.030	43	336839	48.589	ug/l	92
19) Methyl tert-butyl Ether	5.812	73	748789	56.030	ug/l	100
20) Methylene Chloride	5.289	84	253780	59.374	ug/l	90
21) trans-1,2-Dichloroethene	5.800	96	239841	57.830	ug/l	86
22) Diisopropyl ether	6.683	45	697174	54.838	ug/l	95
23) Vinyl Acetate	6.612	43	1930227	245.049	ug/l #	90
24) 1,1-Dichloroethane	6.583	63	449778	57.747	ug/l	97
25) 2-Butanone	7.494	43	636171	246.103	ug/l	91
26) 2,2-Dichloropropane	7.500	77	329459	49.789	ug/l	96
27) cis-1,2-Dichloroethene	7.494	96	289184	58.152	ug/l	95
28) Bromochloromethane	7.818	49	173094	51.387	ug/l	93
29) Tetrahydrofuran	7.847	42	418504	247.251	ug/l	86
30) Chloroform	7.971	83	484425	56.539	ug/l	91
31) Cyclohexane	8.265	56	366155	51.291	ug/l	92
32) 1,1,1-Trichloroethane	8.177	97	435598	59.799	ug/l	98
36) 1,1-Dichloropropene	8.377	75	360783	60.121	ug/l	98
37) Ethyl Acetate	7.571	43	256856	48.022	ug/l	96
38) Carbon Tetrachloride	8.371	117	381587	62.972	ug/l	99
39) Methylcyclohexane	9.612	83	384612	52.352	ug/l	93
40) Benzene	8.612	78	1063903	60.079	ug/l	98

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41) Methacrylonitrile	7.788	41	145219	50.981	ug/l	93
42) 1,2-Dichloroethane	8.677	62	368186	57.236	ug/l	97
43) Isopropyl Acetate	8.694	43	462484	52.937	ug/l	96
44) Trichloroethene	9.359	130	284738	63.502	ug/l	91
45) 1,2-Dichloropropane	9.629	63	269217	59.602	ug/l	98
46) Dibromomethane	9.712	93	190366	58.897	ug/l	95
47) Bromodichloromethane	9.894	83	374344	60.495	ug/l	97
48) Methyl methacrylate	9.688	41	223176	53.879	ug/l	90
49) 1,4-Dioxane	9.694	88	88108	1126.211	ug/l	94
51) 4-Methyl-2-Pentanone	10.453	43	1407528	271.039	ug/l	94
52) Toluene	10.635	92	692284	62.795	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	386547	58.989	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	420267	58.198	ug/l	95
55) 1,1,2-Trichloroethane	11.024	97	263384	60.169	ug/l	97
56) Ethyl methacrylate	10.882	69	379702	57.369	ug/l	92
57) 1,3-Dichloropropane	11.171	76	445223	59.330	ug/l	100
59) 2-Hexanone	11.200	43	986101	256.722	ug/l	92
60) Dibromochloromethane	11.365	129	284833	63.031	ug/l	100
61) 1,2-Dibromoethane	11.476	107	264710	60.617	ug/l	100
64) Tetrachloroethene	11.112	164	260010	68.026	ug/l	98
65) Chlorobenzene	11.900	112	732405	61.813	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.970	131	272390	66.439	ug/l	98
67) Ethyl Benzene	11.970	91	1316614	62.006	ug/l	99
68) m/p-Xylenes	12.076	106	1012298	125.820	ug/l	99
69) o-Xylene	12.406	106	498005	62.940	ug/l	99
70) Styrene	12.418	104	764679	60.836	ug/l	99
71) Bromoform	12.588	173	178881	65.588	ug/l #	99
73) Isopropylbenzene	12.700	105	1267939	64.188	ug/l	98
74) N-amyl acetate	12.500	43	374118	51.239	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.947	83	350827	57.731	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	310800m	54.156	ug/l	
77) Bromobenzene	12.988	156	273703	60.716	ug/l	99
78) n-propylbenzene	13.041	91	1431954	61.489	ug/l	100
79) 2-Chlorotoluene	13.135	91	860971	61.956	ug/l	98
80) 1,3,5-Trimethylbenzene	13.182	105	1049871	63.237	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.747	75	96444	53.718	ug/l	89
82) 4-Chlorotoluene	13.229	91	817806	59.148	ug/l	97
83) tert-Butylbenzene	13.447	119	887103	61.207	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	1056356	64.697	ug/l	100
85) sec-Butylbenzene	13.623	105	1205367	58.519	ug/l	99
86) p-Isopropyltoluene	13.735	119	1011626	61.605	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	494277	59.290	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	482346	58.306	ug/l	99
89) n-Butylbenzene	14.064	91	796477	52.733	ug/l	98
90) Hexachloroethane	14.341	117	165999	61.535	ug/l	90
91) 1,2-Dichlorobenzene	14.112	146	489211	62.815	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.729	75	59649	50.700	ug/l	96
93) 1,2,4-Trichlorobenzene	15.400	180	199342	43.800	ug/l	96
94) Hexachlorobutadiene	15.511	225	86927	46.002	ug/l	98
95) Naphthalene	15.647	128	657550	41.975	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	204895	45.981	ug/l	98

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

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