

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042523\
 Data File : VN077471.D
 Acq On : 25 Apr 2023 15:55
 Operator : JC\MD
 Sample : VN0425WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0425WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/26/2023
 Supervised By : Mahesh Dadoda 04/26/2023

Quant Time: Apr 26 04:19:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:50:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	675643	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1235142	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1094075	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	456115	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	436485	49.509	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.020%		
35) Dibromofluoromethane	8.172	113	371578	50.053	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.100%		
50) Toluene-d8	10.566	98	1481279	52.062	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.120%		
62) 4-Bromofluorobenzene	12.854	95	500946	53.814	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	107.620%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.137	85	163176	19.112	ug/l	96
3) Chloromethane	2.372	50	125423	18.519	ug/l	98
4) Vinyl Chloride	2.525	62	174602	19.353	ug/l	98
5) Bromomethane	2.955	94	147368	18.856	ug/l	94
6) Chloroethane	3.125	64	127801	18.645	ug/l	94
7) Trichlorofluoromethane	3.502	101	253307	19.102	ug/l	98
8) Diethyl Ether	3.972	74	89767	18.629	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.378	101	146842	19.040	ug/l	98
10) Methyl Iodide	4.601	142	174781	18.447	ug/l	96
11) Tert butyl alcohol	5.531	59	122669	86.671	ug/l	99
12) 1,1-Dichloroethene	4.349	96	138620	18.385	ug/l	98
13) Acrolein	4.190	56	106608	75.718	ug/l	96
14) Allyl chloride	5.031	41	154841	18.471	ug/l	95
15) Acrylonitrile	5.731	53	297415	92.630	ug/l	99
16) Acetone	4.437	43	266869	95.146	ug/l	98
17) Carbon Disulfide	4.719	76	337936	17.638	ug/l	98
18) Methyl Acetate	5.037	43	199225	18.393	ug/l	99
19) Methyl tert-butyl Ether	5.801	73	488118	19.466	ug/l	99
20) Methylene Chloride	5.284	84	162415	18.259	ug/l	94
21) trans-1,2-Dichloroethene	5.790	96	153337	18.807	ug/l	96
22) Diisopropyl ether	6.678	45	362045	18.818	ug/l	95
23) Vinyl Acetate	6.607	43	1117041	92.968	ug/l	97
24) 1,1-Dichloroethane	6.578	63	260386	19.120	ug/l	97
25) 2-Butanone	7.490	43	376408	94.617	ug/l	100
26) 2,2-Dichloropropane	7.495	77	260812	19.751	ug/l	99
27) cis-1,2-Dichloroethene	7.495	96	185798	19.242	ug/l	97
28) Bromochloromethane	7.819	49	99881	19.205	ug/l	97
29) Tetrahydrofuran	7.842	42	226844	91.009	ug/l	98
30) Chloroform	7.972	83	296861	19.342	ug/l	93
31) Cyclohexane	8.266	56	225537	18.059	ug/l	94
32) 1,1,1-Trichloroethane	8.172	97	273040	19.350	ug/l	93
36) 1,1-Dichloropropene	8.372	75	221071	20.612	ug/l	98
37) Ethyl Acetate	7.566	43	153417	18.824	ug/l	99
38) Carbon Tetrachloride	8.366	117	231891	19.596	ug/l	94
39) Methylcyclohexane	9.607	83	288541	20.420	ug/l	98
40) Benzene	8.613	78	644386	19.722	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.784	41	77397	18.234	ug/l	96
42) 1,2-Dichloroethane	8.678	62	226095	20.147	ug/l	99
43) Isopropyl Acetate	8.689	43	277687	19.695	ug/l	98
44) Trichloroethene	9.354	130	170392	20.368	ug/l	99
45) 1,2-Dichloropropane	9.625	63	152890	19.976	ug/l	93
46) Dibromomethane	9.713	93	120282	19.368	ug/l	99
47) Bromodichloromethane	9.889	83	239821	19.964	ug/l	97
48) Methyl methacrylate	9.684	41	121105	18.870	ug/l	98
49) 1,4-Dioxane	9.701	88	61026	379.086	ug/l	97
51) 4-Methyl-2-Pentanone	10.448	43	799401	96.664	ug/l	98
52) Toluene	10.630	92	445546	20.816	ug/l	99
53) t-1,3-Dichloropropene	10.836	75	247666	20.361	ug/l	100
54) cis-1,3-Dichloropropene	10.313	75	265220	20.032	ug/l	97
55) 1,1,2-Trichloroethane	11.019	97	168282	19.551	ug/l	99
56) Ethyl methacrylate	10.878	69	237367	19.681	ug/l	97
57) 1,3-Dichloropropane	11.166	76	278059	20.281	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.160	63	323933	79.408	ug/l	97
59) 2-Hexanone	11.195	43	584749	97.275	ug/l	99
60) Dibromochloromethane	11.360	129	177765	19.900	ug/l	98
61) 1,2-Dibromoethane	11.472	107	170246	19.374	ug/l	98
64) Tetrachloroethene	11.107	164	129615	19.791	ug/l	95
65) Chlorobenzene	11.895	112	466863	20.166	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.960	131	166901	19.815	ug/l	97
67) Ethyl Benzene	11.966	91	838502	20.574	ug/l	99
68) m/p-Xylenes	12.072	106	649766	41.021	ug/l	99
69) o-Xylene	12.401	106	315716	20.264	ug/l	98
70) Styrene	12.413	104	508207	20.858	ug/l	99
71) Bromoform	12.577	173	113343	20.568	ug/l #	98
73) Isopropylbenzene	12.701	105	836740	19.769	ug/l	98
74) N-amyl acetate	12.495	43	224188	17.891	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.942	83	241378	18.150	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	208350m	19.644	ug/l	
77) Bromobenzene	12.983	156	176216	19.103	ug/l	98
78) n-propylbenzene	13.042	91	944493	20.182	ug/l	99
79) 2-Chlorotoluene	13.130	91	566719	19.641	ug/l	99
80) 1,3,5-Trimethylbenzene	13.177	105	663448	21.107	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.742	75	71718	19.103	ug/l	98
82) 4-Chlorotoluene	13.224	91	540498	20.046	ug/l	99
83) tert-Butylbenzene	13.442	119	585024	19.166	ug/l	98
84) 1,2,4-Trimethylbenzene	13.489	105	623490	21.240	ug/l	99
85) sec-Butylbenzene	13.619	105	847782	20.234	ug/l	99
86) p-Isopropyltoluene	13.736	119	667795	20.715	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	321226	19.581	ug/l	98
88) 1,4-Dichlorobenzene	13.813	146	317980	19.631	ug/l	98
89) n-Butylbenzene	14.060	91	530012	21.245	ug/l	99
90) Hexachloroethane	14.336	117	131919	18.523	ug/l	99
91) 1,2-Dichlorobenzene	14.107	146	321250	19.744	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.724	75	44266	18.000	ug/l	97
93) 1,2,4-Trichlorobenzene	15.365	180	83623	21.058	ug/l	98
94) Hexachlorobutadiene	15.465	225	68366	20.793	ug/l	99
95) Naphthalene	15.589	128	295753	20.356	ug/l	99
96) 1,2,3-Trichlorobenzene	15.760	180	78500	21.077	ug/l	99

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

