

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042923\
 Data File : VN077515.D
 Acq On : 29 Apr 2023 13:39
 Operator : JC\MD
 Sample : VN0429WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0429WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/01/2023
 Supervised By : Mahesh Dadoda 05/01/2023

Quant Time: May 01 01:23:00 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	567849	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1062405	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	952112	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	376979	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	355352	47.957	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.920%		
35) Dibromofluoromethane	8.172	113	300965	47.133	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.260%		
50) Toluene-d8	10.572	98	1159991	47.399	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.800%		
62) 4-Bromofluorobenzene	12.854	95	386579	48.280	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.560%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.137	85	119281	16.663	ug/l	97
3) Chloromethane	2.372	50	92238	16.204	ug/l	90
4) Vinyl Chloride	2.525	62	127592	16.827	ug/l	95
5) Bromomethane	2.955	94	113549	17.287	ug/l	98
6) Chloroethane	3.125	64	92057	15.980	ug/l	100
7) Trichlorofluoromethane	3.507	101	200583	17.997	ug/l	94
8) Diethyl Ether	3.966	74	73748	18.210	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.384	101	113013	17.436	ug/l	97
10) Methyl Iodide	4.596	142	133589	16.776	ug/l	98
11) Tert butyl alcohol	5.531	59	92206	77.515	ug/l #	93
12) 1,1-Dichloroethene	4.349	96	105992	16.726	ug/l	95
13) Acrolein	4.190	56	96487	81.538	ug/l	99
14) Allyl chloride	5.031	41	124351	17.650	ug/l	98
15) Acrylonitrile	5.725	53	239159	88.626	ug/l	98
16) Acetone	4.437	43	204480	86.741	ug/l	100
17) Carbon Disulfide	4.719	76	251656	15.628	ug/l	98
18) Methyl Acetate	5.031	43	157018	17.248	ug/l	96
19) Methyl tert-butyl Ether	5.801	73	392093	18.605	ug/l	97
20) Methylene Chloride	5.284	84	130044	17.395	ug/l	96
21) trans-1,2-Dichloroethene	5.796	96	117228	17.108	ug/l	91
22) Diisopropyl ether	6.678	45	292442	18.086	ug/l	97
23) Vinyl Acetate	6.613	43	863723	85.531	ug/l	98
24) 1,1-Dichloroethane	6.572	63	207670	18.144	ug/l	95
25) 2-Butanone	7.490	43	286304	85.630	ug/l	99
26) 2,2-Dichloropropane	7.495	77	197596	17.804	ug/l	98
27) cis-1,2-Dichloroethene	7.495	96	143920	17.734	ug/l	98
28) Bromochloromethane	7.819	49	80189	18.346	ug/l	97
29) Tetrahydrofuran	7.848	42	183277	87.488	ug/l	98
30) Chloroform	7.972	83	237345	18.400	ug/l	96
31) Cyclohexane	8.260	56	171474	16.336	ug/l	94
32) 1,1,1-Trichloroethane	8.172	97	216358	18.244	ug/l	99
36) 1,1-Dichloropropene	8.372	75	166068	18.001	ug/l	99
37) Ethyl Acetate	7.566	43	111419	15.894	ug/l	97
38) Carbon Tetrachloride	8.366	117	184400	18.117	ug/l	96
39) Methylcyclohexane	9.601	83	212463	17.480	ug/l	96
40) Benzene	8.613	78	509952	18.145	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.784	41	63118	17.287	ug/l	97
42) 1,2-Dichloroethane	8.672	62	177418	18.380	ug/l	99
43) Isopropyl Acetate	8.690	43	211454	17.436	ug/l	98
44) Trichloroethene	9.360	130	128721	17.889	ug/l	97
45) 1,2-Dichloropropane	9.619	63	120740	18.341	ug/l	96
46) Dibromomethane	9.713	93	96128	17.996	ug/l	97
47) Bromodichloromethane	9.889	83	191179	18.503	ug/l #	98
48) Methyl methacrylate	9.684	41	95244	17.253	ug/l	98
49) 1,4-Dioxane	9.701	88	46351	334.741	ug/l	97
51) 4-Methyl-2-Pentanone	10.448	43	619244	87.054	ug/l	99
52) Toluene	10.631	92	342698	18.614	ug/l	99
53) t-1,3-Dichloropropene	10.842	75	196435	18.775	ug/l	98
54) cis-1,3-Dichloropropene	10.313	75	207121	18.187	ug/l	98
55) 1,1,2-Trichloroethane	11.019	97	140423	18.967	ug/l	96
56) Ethyl methacrylate	10.878	69	185969	17.927	ug/l	96
57) 1,3-Dichloropropane	11.166	76	224691	19.053	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.166	63	308791	88.004	ug/l	99
59) 2-Hexanone	11.195	43	446817	86.415	ug/l	100
60) Dibromochloromethane	11.360	129	141616	18.431	ug/l	99
61) 1,2-Dibromoethane	11.472	107	140375	18.572	ug/l	100
64) Tetrachloroethene	11.101	164	107691	18.895	ug/l	92
65) Chlorobenzene	11.895	112	369410	18.335	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.960	131	133992	18.279	ug/l	98
67) Ethyl Benzene	11.966	91	658690	18.572	ug/l	97
68) m/p-Xylenes	12.078	106	502784	36.475	ug/l	98
69) o-Xylene	12.401	106	253160	18.672	ug/l	99
70) Styrene	12.413	104	401747	18.947	ug/l	99
71) Bromoform	12.578	173	87228	18.189	ug/l #	99
73) Isopropylbenzene	12.701	105	652511	18.653	ug/l	100
74) N-amyl acetate	12.495	43	170110	16.425	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.942	83	190915	17.369	ug/l	96
76) 1,2,3-Trichloropropane	12.995	75	159973m	18.249	ug/l	
77) Bromobenzene	12.983	156	137087	17.981	ug/l	98
78) n-propylbenzene	13.036	91	718013	18.563	ug/l	99
79) 2-Chlorotoluene	13.130	91	434723	18.229	ug/l	97
80) 1,3,5-Trimethylbenzene	13.177	105	490121	18.866	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.742	75	50796	16.370	ug/l	92
82) 4-Chlorotoluene	13.225	91	412517	18.511	ug/l	100
83) tert-Butylbenzene	13.442	119	454277	18.006	ug/l	98
84) 1,2,4-Trimethylbenzene	13.489	105	441936	18.215	ug/l	98
85) sec-Butylbenzene	13.619	105	631431	18.234	ug/l	100
86) p-Isopropyltoluene	13.736	119	489120	18.358	ug/l	100
87) 1,3-Dichlorobenzene	13.736	146	243559	17.963	ug/l	99
88) 1,4-Dichlorobenzene	13.813	146	239588	17.896	ug/l	97
89) n-Butylbenzene	14.060	91	363102	17.610	ug/l	99
90) Hexachloroethane	14.336	117	98302	16.700	ug/l	98
91) 1,2-Dichlorobenzene	14.107	146	244654	18.193	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.719	75	31832	15.661	ug/l	99
93) 1,2,4-Trichlorobenzene	15.395	180	49499	16.065	ug/l	92
94) Hexachlorobutadiene	15.501	225	51762	19.048	ug/l	96
95) Naphthalene	15.642	128	179946	15.990	ug/l	99
96) 1,2,3-Trichlorobenzene	15.842	180	47456	16.317	ug/l	95

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

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