

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111722\
 Data File : VN075302.D
 Acq On : 17 Nov 2022 13:10
 Operator : JC\MD
 Sample : VN1117WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1117WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/18/2022
 Supervised By : Mahesh Dadoda 11/18/2022

Quant Time: Nov 18 01:00:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	116406	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	198279	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	183821	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	91116	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	68377	43.596	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.200%		
35) Dibromofluoromethane	8.171	113	59992	51.540	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.080%		
50) Toluene-d8	10.565	98	212697	47.099	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.200%		
62) 4-Bromofluorobenzene	12.847	95	78721	49.623	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.240%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	24803	16.379	ug/l	97
3) Chloromethane	2.371	50	25198	15.666	ug/l	100
4) Vinyl Chloride	2.524	62	33265	14.497	ug/l	98
5) Bromomethane	2.936	94	27735	13.320	ug/l	90
6) Chloroethane	3.112	64	25038	15.217	ug/l	97
7) Trichlorofluoromethane	3.501	101	46055	19.648	ug/l	96
8) Diethyl Ether	3.971	74	17135	20.041	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.383	101	26087	20.152	ug/l	96
10) Methyl Iodide	4.595	142	39711	20.606	ug/l	95
11) Tert butyl alcohol	5.536	59	30396	83.103	ug/l	95
12) 1,1-Dichloroethene	4.348	96	24276	19.674	ug/l	87
13) Acrolein	4.195	56	13329	44.553	ug/l	99
14) Allyl chloride	5.030	41	29224	16.216	ug/l	92
15) Acrylonitrile	5.730	53	71697	92.794	ug/l	97
16) Acetone	4.436	43	62272	93.767	ug/l	96
17) Carbon Disulfide	4.718	76	54287	17.495	ug/l	99
18) Methyl Acetate	5.036	43	41722	19.233	ug/l	96
19) Methyl tert-butyl Ether	5.806	73	87706	19.124	ug/l	97
20) Methylene Chloride	5.289	84	29910	20.199	ug/l	91
21) trans-1,2-Dichloroethene	5.800	96	26020	19.259	ug/l	96
22) Diisopropyl ether	6.677	45	75904	19.085	ug/l	96
23) Vinyl Acetate	6.606	43	295238m	88.898	ug/l	
24) 1,1-Dichloroethane	6.577	63	47547	18.903	ug/l	98
25) 2-Butanone	7.489	43	91751	87.835	ug/l	99
26) 2,2-Dichloropropane	7.500	77	41439	17.908	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	33038	20.477	ug/l	95
28) Bromochloromethane	7.818	49	18227	17.190	ug/l	91
29) Tetrahydrofuran	7.841	42	59544	88.213	ug/l	99
30) Chloroform	7.971	83	52870	19.359	ug/l	99
31) Cyclohexane	8.265	56	42758	18.330	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	47436	19.127	ug/l	96
36) 1,1-Dichloropropene	8.371	75	37351	20.727	ug/l	98
37) Ethyl Acetate	7.565	43	35641	18.034	ug/l	99
38) Carbon Tetrachloride	8.359	117	40782	20.573	ug/l	97
39) Methylcyclohexane	9.606	83	47471	19.954	ug/l	98
40) Benzene	8.606	78	116189	21.057	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	17664	18.656	ug/l	95
42) 1,2-Dichloroethane	8.671	62	40729	20.289	ug/l	99
43) Isopropyl Acetate	8.694	43	56927	18.570	ug/l	97
44) Trichloroethene	9.353	130	31672	22.879	ug/l	96
45) 1,2-Dichloropropane	9.624	63	28189	21.467	ug/l	98
46) Dibromomethane	9.712	93	21496	21.012	ug/l	94
47) Bromodichloromethane	9.888	83	40593	20.490	ug/l	98
48) Methyl methacrylate	9.682	41	27019	19.214	ug/l	96
49) 1,4-Dioxane	9.700	88	15166	411.865	ug/l	98
51) 4-Methyl-2-Pentanone	10.447	43	185802	93.926	ug/l	99
52) Toluene	10.629	92	75555	20.485	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	41242	19.723	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	45480	20.506	ug/l #	95
55) 1,1,2-Trichloroethane	11.018	97	31078	21.250	ug/l	92
56) Ethyl methacrylate	10.877	69	43628	19.557	ug/l	98
57) 1,3-Dichloropropane	11.165	76	50656	20.799	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	80420	93.248	ug/l	97
59) 2-Hexanone	11.194	43	136539	90.943	ug/l	99
60) Dibromochloromethane	11.359	129	32529	21.082	ug/l	100
61) 1,2-Dibromoethane	11.471	107	31644	21.113	ug/l	98
64) Tetrachloroethene	11.106	164	28647	25.419	ug/l	94
65) Chlorobenzene	11.888	112	82611	21.054	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.959	131	29383	20.187	ug/l	97
67) Ethyl Benzene	11.965	91	146610	20.768	ug/l	98
68) m/p-Xylenes	12.071	106	117718	41.559	ug/l	98
69) o-Xylene	12.400	106	56067	20.015	ug/l	99
70) Styrene	12.412	104	90517	20.266	ug/l	98
71) Bromoform	12.576	173	22859	20.976	ug/l #	95
73) Isopropylbenzene	12.694	105	146537	20.033	ug/l	99
74) N-amyl acetate	12.494	43	46505	17.189	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	45675	19.307	ug/l	97
76) 1,2,3-Trichloropropane	12.988	75	39274m	20.300	ug/l	
77) Bromobenzene	12.976	156	35124	21.807	ug/l	90
78) n-propylbenzene	13.035	91	168417	20.507	ug/l	99
79) 2-Chlorotoluene	13.123	91	101313	20.188	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	126246	20.548	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	12599	16.717	ug/l	90
82) 4-Chlorotoluene	13.123	91	101313	20.188	ug/l	99
83) tert-Butylbenzene	13.441	119	112705	20.645	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	127523	20.514	ug/l	100
85) sec-Butylbenzene	13.618	105	156725	20.522	ug/l	99
86) p-Isopropyltoluene	13.729	119	130711	20.724	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	67132	21.287	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	67018	21.473	ug/l	98
89) n-Butylbenzene	14.059	91	107907	21.245	ug/l	99
90) Hexachloroethane	14.335	117	21187	18.321	ug/l	92
91) 1,2-Dichlorobenzene	14.106	146	68673	21.904	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	9036	18.313	ug/l	89
93) 1,2,4-Trichlorobenzene	15.394	180	33594	24.901	ug/l	99
94) Hexachlorobutadiene	15.500	225	17294	26.295	ug/l	97
95) Naphthalene	15.641	128	109766	21.157	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	32201	24.022	ug/l	98

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

