

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111822\
 Data File : VN075312.D
 Acq On : 18 Nov 2022 15:06
 Operator : JC\MD
 Sample : VN1118WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/21/2022
 Supervised By : Mahesh Dadoda 11/21/2022

Quant Time: Nov 19 05:06:43 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	8.224	168	119689	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	204580	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	187115	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	94782	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	67542	41.882	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	83.760%		
35) Dibromofluoromethane	8.171	113	61418	51.140	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.280%		
50) Toluene-d8	10.571	98	212929	45.698	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.400%		
62) 4-Bromofluorobenzene	12.847	95	80030	48.894	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.780%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.136	85	26126	16.780	ug/l	99
3) Chloromethane	2.371	50	26763	16.182	ug/l	100
4) Vinyl Chloride	2.524	62	33712	14.289	ug/l	95
5) Bromomethane	2.936	94	28345	13.207	ug/l	90
6) Chloroethane	3.118	64	25594	15.128	ug/l	94
7) Trichlorofluoromethane	3.506	101	48153	19.979	ug/l	95
8) Diethyl Ether	3.977	74	17691	20.124	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.383	101	27953	21.001	ug/l	95
10) Methyl Iodide	4.600	142	41164	20.774	ug/l	93
11) Tert butyl alcohol	5.530	59	30901	82.166	ug/l	100
12) 1,1-Dichloroethene	4.347	96	25601	20.178	ug/l	95
13) Acrolein	4.189	56	34275	111.423	ug/l	97
14) Allyl chloride	5.036	41	30936	16.695	ug/l	97
15) Acrylonitrile	5.736	53	76290	96.030	ug/l	100
16) Acetone	4.442	43	64364	94.259	ug/l	100
17) Carbon Disulfide	4.724	76	58338	18.285	ug/l	100
18) Methyl Acetate	5.042	43	44511	19.956	ug/l	99
19) Methyl tert-butyl Ether	5.800	73	93739	19.879	ug/l	94
20) Methylene Chloride	5.283	84	31587	20.747	ug/l	89
21) trans-1,2-Dichloroethene	5.789	96	28598	20.587	ug/l	86
22) Diisopropyl ether	6.683	45	78700	19.246	ug/l #	97
23) Vinyl Acetate	6.612	43	277373	81.228	ug/l	97
24) 1,1-Dichloroethane	6.577	63	50385	19.482	ug/l	99
25) 2-Butanone	7.488	43	99050	92.221	ug/l	99
26) 2,2-Dichloropropane	7.500	77	43591	18.321	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	33797	20.373	ug/l	95
28) Bromochloromethane	7.818	49	19098	17.517	ug/l	94
29) Tetrahydrofuran	7.841	42	62964	90.721	ug/l	99
30) Chloroform	7.971	83	55009	19.590	ug/l	95
31) Cyclohexane	8.259	56	44065	18.372	ug/l	97
32) 1,1,1-Trichloroethane	8.171	97	49683	19.484	ug/l	97
36) 1,1-Dichloropropene	8.377	75	39439	21.211	ug/l	99
37) Ethyl Acetate	7.565	43	38346	18.805	ug/l	98
38) Carbon Tetrachloride	8.365	117	42792	20.922	ug/l	98
39) Methylcyclohexane	9.606	83	50264	20.477	ug/l	93
40) Benzene	8.612	78	121048	21.262	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	20434	20.917	ug/l	97
42) 1,2-Dichloroethane	8.677	62	42156	20.353	ug/l	97
43) Isopropyl Acetate	8.694	43	61812	19.543	ug/l	99
44) Trichloroethene	9.353	130	32067	22.451	ug/l	97
45) 1,2-Dichloropropane	9.624	63	29277	21.609	ug/l	96
46) Dibromomethane	9.712	93	22583	21.395	ug/l	94
47) Bromodichloromethane	9.888	83	44167	21.607	ug/l	92
48) Methyl methacrylate	9.682	41	27769	19.139	ug/l	96
49) 1,4-Dioxane	9.700	88	15825	416.525	ug/l #	87
51) 4-Methyl-2-Pentanone	10.447	43	198059	97.038	ug/l	98
52) Toluene	10.629	92	82157	21.588	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	45007	20.860	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	47553	20.780	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	33014	21.879	ug/l	96
56) Ethyl methacrylate	10.871	69	46223	20.082	ug/l	97
57) 1,3-Dichloropropane	11.165	76	53514	21.295	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	67372	75.712	ug/l	99
59) 2-Hexanone	11.194	43	146016	94.260	ug/l	99
60) Dibromochloromethane	11.359	129	34607	21.738	ug/l	99
61) 1,2-Dibromoethane	11.471	107	32660	21.120	ug/l	99
64) Tetrachloroethene	11.106	164	30374	26.477	ug/l	91
65) Chlorobenzene	11.894	112	87417	21.887	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	32517	21.947	ug/l	99
67) Ethyl Benzene	11.965	91	150727	20.976	ug/l	95
68) m/p-Xylenes	12.070	106	122177	42.374	ug/l	100
69) o-Xylene	12.400	106	60077	21.069	ug/l	98
70) Styrene	12.412	104	98124	21.582	ug/l	98
71) Bromoform	12.576	173	23877	21.525	ug/l #	100
73) Isopropylbenzene	12.694	105	154170	20.261	ug/l	99
74) N-amyl acetate	12.494	43	50069	17.791	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	49722	20.393	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	41614m	20.678	ug/l	
77) Bromobenzene	12.982	156	36271	21.648	ug/l	90
78) n-propylbenzene	13.035	91	176344	20.642	ug/l	100
79) 2-Chlorotoluene	13.123	91	106556	20.411	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	133980	20.963	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	15074	19.227	ug/l	89
82) 4-Chlorotoluene	13.123	91	106556	20.411	ug/l	100
83) tert-Butylbenzene	13.441	119	118079	20.792	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	132718	20.524	ug/l	98
85) sec-Butylbenzene	13.617	105	165253	20.801	ug/l	100
86) p-Isopropyltoluene	13.729	119	136463	20.799	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	71588	21.822	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	71847	22.130	ug/l	99
89) n-Butylbenzene	14.059	91	112660	21.323	ug/l	99
90) Hexachloroethane	14.335	117	22107	18.377	ug/l	88
91) 1,2-Dichlorobenzene	14.106	146	72112	22.111	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	9586	18.676	ug/l	91
93) 1,2,4-Trichlorobenzene	15.394	180	36032	25.675	ug/l	97
94) Hexachlorobutadiene	15.506	225	17675	25.835	ug/l	99
95) Naphthalene	15.641	128	115121	21.331	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	34330	24.620	ug/l	99

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

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