

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112922\
 Data File : VN075463.D
 Acq On : 29 Nov 2022 09:31
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/30/2022
 Supervised By : Mahesh Dadoda 11/30/2022

Quant Time: Nov 30 02:19:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	149831	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	240083	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	224211	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118117	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	39443	49.042	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.080%		
35) Dibromofluoromethane	8.171	113	49728	52.727	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.460%		
50) Toluene-d8	10.565	98	112099	52.773	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	105.540%		
62) 4-Bromofluorobenzene	12.847	95	86456	55.142	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	110.280%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	50549	44.121	ug/l	99
3) Chloromethane	2.371	50	61400	43.070	ug/l	99
4) Vinyl Chloride	2.530	62	80748	44.943	ug/l	97
5) Bromomethane	2.924	94	80056	50.671	ug/l	97
6) Chloroethane	3.101	64	60883	44.722	ug/l	90
7) Trichlorofluoromethane	3.495	101	120788	47.060	ug/l	98
8) Diethyl Ether	3.965	74	43539	48.398	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.377	101	70518	49.768	ug/l	94
10) Methyl Iodide	4.595	142	108723	47.353	ug/l	95
11) Tert butyl alcohol	5.542	59	65172	193.031	ug/l	99
12) 1,1-Dichloroethene	4.348	96	65910	47.502	ug/l	92
13) Acrolein	4.183	56	80027	272.084	ug/l	95
14) Allyl chloride	5.036	41	87862m	48.955	ug/l	
15) Acrylonitrile	5.724	53	176471	227.821	ug/l	99
16) Acetone	4.436	43	168528	224.647	ug/l	96
17) Carbon Disulfide	4.718	76	148887	41.290	ug/l	99
18) Methyl Acetate	5.030	43	93227	49.276	ug/l	94
19) Methyl tert-butyl Ether	5.806	73	233249	47.454	ug/l	99
20) Methylene Chloride	5.283	84	75849	49.856	ug/l	91
21) trans-1,2-Dichloroethene	5.789	96	73285	46.346	ug/l	97
22) Diisopropyl ether	6.683	45	201287	49.146	ug/l	97
23) Vinyl Acetate	6.612	43	793725m	243.597	ug/l	
24) 1,1-Dichloroethane	6.577	63	129775	49.365	ug/l	98
25) 2-Butanone	7.489	43	235774	225.113	ug/l	95
26) 2,2-Dichloropropane	7.494	77	115409	47.236	ug/l	97
27) cis-1,2-Dichloroethene	7.489	96	88381	49.429	ug/l	95
28) Bromochloromethane	7.818	49	50327	47.162	ug/l	87
29) Tetrahydrofuran	7.841	42	145642	228.611	ug/l	98
30) Chloroform	7.971	83	145740	48.275	ug/l	98
31) Cyclohexane	8.265	56	112960	44.206	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	132026	48.165	ug/l	96
36) 1,1-Dichloropropene	8.371	75	103967	50.549	ug/l	97
37) Ethyl Acetate	7.565	43	91583	49.452	ug/l	97
38) Carbon Tetrachloride	8.365	117	119763	53.008	ug/l	99
39) Methylcyclohexane	9.600	83	134018	52.064	ug/l	98
40) Benzene	8.612	78	317821	50.471	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	48870	51.615	ug/l	97
42) 1,2-Dichloroethane	8.671	62	106483	50.490	ug/l	96
43) Isopropyl Acetate	8.688	43	149896	50.426	ug/l	97
44) Trichloroethene	9.353	130	86426	50.159	ug/l	98
45) 1,2-Dichloropropane	9.624	63	76948	51.277	ug/l	98
46) Dibromomethane	9.712	93	58229	51.301	ug/l	92
47) Bromodichloromethane	9.888	83	115541	52.565	ug/l	98
48) Methyl methacrylate	9.683	41	68504	49.839	ug/l	96
49) 1,4-Dioxane	9.700	88	37611	963.641	ug/l	98
51) 4-Methyl-2-Pentanone	10.447	43	473528	250.106	ug/l	97
52) Toluene	10.630	92	213981	52.732	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	118205	53.567	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	128752	53.721	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	84946	51.397	ug/l	96
56) Ethyl methacrylate	10.877	69	121350	54.368	ug/l	97
57) 1,3-Dichloropropane	11.165	76	136778	50.755	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.159	63	216604	269.077	ug/l	96
59) 2-Hexanone	11.194	43	358962	252.489	ug/l	99
60) Dibromochloromethane	11.359	129	97263	57.332	ug/l	97
61) 1,2-Dibromoethane	11.471	107	88019	51.310	ug/l	98
64) Tetrachloroethene	11.106	164	82136	47.971	ug/l	91
65) Chlorobenzene	11.894	112	232106	50.127	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	89700	51.905	ug/l	99
67) Ethyl Benzene	11.965	91	415801	52.636	ug/l	95
68) m/p-Xylenes	12.071	106	336851	105.005	ug/l	98
69) o-Xylene	12.400	106	164932	51.746	ug/l	99
70) Styrene	12.412	104	271755	54.048	ug/l	99
71) Bromoform	12.576	173	72861	55.396	ug/l #	98
73) Isopropylbenzene	12.694	105	435414	50.456	ug/l	99
74) N-amyl acetate	12.494	43	133625	50.367	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	126813	48.200	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	102761m	46.013	ug/l	
77) Bromobenzene	12.982	156	104800	49.191	ug/l	85
78) n-propylbenzene	13.035	91	500705	51.991	ug/l	99
79) 2-Chlorotoluene	13.123	91	296660	51.125	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	376992	52.582	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	39288	52.051	ug/l	94
82) 4-Chlorotoluene	13.123	91	296660	51.125	ug/l	97
83) tert-Butylbenzene	13.441	119	334342	51.147	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	384024	53.400	ug/l	99
85) sec-Butylbenzene	13.618	105	473485	53.382	ug/l	99
86) p-Isopropyltoluene	13.729	119	413375	55.393	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	206045	51.045	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	206939	50.468	ug/l	98
89) n-Butylbenzene	14.059	91	334132	53.013	ug/l	99
90) Hexachloroethane	14.335	117	70185	54.517	ug/l	86
91) 1,2-Dichlorobenzene	14.106	146	204298	51.923	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	24079	48.315	ug/l	79
93) 1,2,4-Trichlorobenzene	15.394	180	109021	54.068	ug/l	99
94) Hexachlorobutadiene	15.500	225	55407	52.754	ug/l	98
95) Naphthalene	15.641	128	324388	51.137	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	104946	52.956	ug/l	99

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

