

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121622\
 Data File : VN075861.D
 Acq On : 16 Dec 2022 20:38
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 17 08:44:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/19/2022
 Supervised By : Mahesh Dadoda 12/19/2022

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	337256	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	541534	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	477068	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	238287	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	188098	51.266	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.540%	
35) Dibromofluoromethane	8.177	113	170921	50.966	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.940%	
50) Toluene-d8	10.571	98	646849	51.587	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.180%	
62) 4-Bromofluorobenzene	12.853	95	223589	53.838	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 107.680%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	108607	45.354	ug/l	98
3) Chloromethane	2.377	50	127193	42.715	ug/l	98
4) Vinyl Chloride	2.530	62	159476	44.898	ug/l	92
5) Bromomethane	2.948	94	132567	43.916	ug/l	97
6) Chloroethane	3.124	64	121214	46.083	ug/l	96
7) Trichlorofluoromethane	3.506	101	247294	45.883	ug/l	98
8) Diethyl Ether	3.971	74	95941	48.737	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.383	101	145858	47.393	ug/l	100
10) Methyl Iodide	4.600	142	235947	47.240	ug/l	99
11) Tert butyl alcohol	5.536	59	126116	242.922	ug/l	99
12) 1,1-Dichloroethene	4.353	96	138722	46.410	ug/l	99
13) Acrolein	4.189	56	188792	296.620	ug/l	99
14) Allyl chloride	5.042	41	169132	48.404	ug/l	92
15) Acrylonitrile	5.736	53	353991	249.858	ug/l	99
16) Acetone	4.442	43	264584	209.193	ug/l	97
17) Carbon Disulfide	4.724	76	324193	44.796	ug/l	100
18) Methyl Acetate	5.036	43	184954	49.471	ug/l	98
19) Methyl tert-butyl Ether	5.806	73	499554	50.751	ug/l	97
20) Methylene Chloride	5.295	84	163143	48.195	ug/l	95
21) trans-1,2-Dichloroethene	5.800	96	150913	46.101	ug/l	98
22) Diisopropyl ether	6.683	45	429592	50.610	ug/l	98
23) Vinyl Acetate	6.612	43	1484235	259.788	ug/l	98
24) 1,1-Dichloroethane	6.577	63	272551	48.145	ug/l	100
25) 2-Butanone	7.489	43	447838	252.883	ug/l	96
26) 2,2-Dichloropropane	7.500	77	220104	45.912	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	187587	47.914	ug/l	97
28) Bromochloromethane	7.824	49	110457	44.517	ug/l	100
29) Tetrahydrofuran	7.847	42	289836	261.162	ug/l	99
30) Chloroform	7.971	83	301192	47.255	ug/l	95
31) Cyclohexane	8.265	56	241600	45.978	ug/l	94
32) 1,1,1-Trichloroethane	8.177	97	276385	48.912	ug/l	97
36) 1,1-Dichloropropene	8.377	75	217030	48.716	ug/l	99
37) Ethyl Acetate	7.571	43	182798	51.083	ug/l	97
38) Carbon Tetrachloride	8.371	117	244214	48.979	ug/l	97
39) Methylcyclohexane	9.606	83	281002	52.283	ug/l	97
40) Benzene	8.612	78	660078	48.022	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	98176	52.782	ug/l	98
42) 1,2-Dichloroethane	8.677	62	216980	47.483	ug/l	100
43) Isopropyl Acetate	8.694	43	312523	52.944	ug/l	99
44) Trichloroethene	9.359	130	180091	46.508	ug/l	96
45) 1,2-Dichloropropane	9.624	63	161053	48.150	ug/l	99
46) Dibromomethane	9.712	93	119864	48.316	ug/l	98
47) Bromodichloromethane	9.894	83	239444	49.217	ug/l	98
48) Methyl methacrylate	9.688	41	143841	54.103	ug/l	98
49) 1,4-Dioxane	9.700	88	66466	1016.915	ug/l #	88
51) 4-Methyl-2-Pentanone	10.447	43	968337	271.256	ug/l	100
52) Toluene	10.635	92	443778	49.574	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	245794	51.612	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	268869	51.421	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	177395	50.487	ug/l	98
56) Ethyl methacrylate	10.877	69	256149	54.884	ug/l	99
57) 1,3-Dichloropropane	11.165	76	288064	49.981	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	453368	305.111	ug/l	99
59) 2-Hexanone	11.200	43	709078	272.370	ug/l	99
60) Dibromochloromethane	11.365	129	197208	50.469	ug/l	100
61) 1,2-Dibromoethane	11.471	107	179264	50.416	ug/l	100
64) Tetrachloroethene	11.106	164	155419	46.297	ug/l	99
65) Chlorobenzene	11.894	112	474923	48.502	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	182126	50.216	ug/l	99
67) Ethyl Benzene	11.965	91	859287	51.996	ug/l	100
68) m/p-Xylenes	12.076	106	682220	104.300	ug/l	99
69) o-Xylene	12.400	106	339284	52.416	ug/l	99
70) Styrene	12.412	104	553630	53.792	ug/l	99
71) Bromoform	12.582	173	145316	55.063	ug/l #	98
73) Isopropylbenzene	12.700	105	880087	51.109	ug/l	100
74) N-amyl acetate	12.494	43	280759	55.578	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	256812	48.243	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	221370m	46.087	ug/l	
77) Bromobenzene	12.982	156	208688	47.887	ug/l	99
78) n-propylbenzene	13.041	91	992169	52.241	ug/l	99
79) 2-Chlorotoluene	13.129	91	584058	49.264	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	748759	51.954	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	69047	51.743	ug/l	95
82) 4-Chlorotoluene	13.129	91	584058	49.264	ug/l	100
83) tert-Butylbenzene	13.441	119	689940	54.297	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	754203	52.752	ug/l	99
85) sec-Butylbenzene	13.618	105	947181	54.006	ug/l	100
86) p-Isopropyltoluene	13.735	119	803822	55.081	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	400569	49.761	ug/l	100
88) 1,4-Dichlorobenzene	13.818	146	390408	47.475	ug/l	99
89) n-Butylbenzene	14.059	91	647272	54.749	ug/l	99
90) Hexachloroethane	14.335	117	138739	53.147	ug/l	100
91) 1,2-Dichlorobenzene	14.112	146	397609	50.146	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	46018	48.719	ug/l	96
93) 1,2,4-Trichlorobenzene	15.400	180	198176	50.484	ug/l	100
94) Hexachlorobutadiene	15.506	225	104555	48.818	ug/l	99
95) Naphthalene	15.647	128	608642	47.066	ug/l	100
96) 1,2,3-Trichlorobenzene	15.847	180	191662	52.238	ug/l	99

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

