

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121821\
 Data File : VN070228.D
 Acq On : 18 Dec 2021 21:33
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/20/2021
 Supervised By : Mahesh Dadoda 12/24/2021

Quant Time: Dec 19 08:52:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	943595	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1602298	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1539182	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	671660	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	670921	46.05	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.10%		
35) Dibromofluoromethane	8.021	113	465579	46.39	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.78%		
50) Toluene-d8	10.440	98	1833894	45.51	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	91.02%		
62) 4-Bromofluorobenzene	12.731	95	717902	49.17	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	98.34%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	436329	39.65	ug/l	100
3) Chloromethane	2.303	50	562270	40.78	ug/l	98
4) Vinyl Chloride	2.445	62	530708	41.86	ug/l	99
5) Bromomethane	2.834	94	274376	39.84	ug/l	99
6) Chloroethane	3.009	64	325914	41.95	ug/l	99
7) Trichlorofluoromethane	3.371	101	688204	41.36	ug/l	98
8) Diethyl Ether	3.821	74	319218	49.81	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.205	101	441048	47.29	ug/l	96
10) Methyl Iodide	4.414	142	571340	44.84	ug/l	99
11) Tert butyl alcohol	5.382	59	670859	243.60	ug/l	100
12) 1,1-Dichloroethene	4.175	96	416851	46.38	ug/l	87
13) Acrolein	4.039	56	583475	248.79	ug/l	99
14) Allyl chloride	4.835	41	1000616	49.40	ug/l #	90
15) Acrylonitrile	5.554	53	1881931	253.60	ug/l	99
16) Acetone	4.288	43	1762287	201.08	ug/l	97
17) Carbon Disulfide	4.524	76	875561	37.71	ug/l	100
18) Methyl Acetate	4.854	43	1307063	49.41	ug/l	91
19) Methyl tert-butyl Ether	5.618	73	1818567	52.04	ug/l	95
20) Methylene Chloride	5.090	84	533854	45.82	ug/l #	86
21) trans-1,2-Dichloroethene	5.597	96	438262	44.89	ug/l	85
22) Diisopropyl ether	6.498	45	2111339	53.33	ug/l	93
23) Vinyl Acetate	6.434	43	8345704	259.13	ug/l #	94
24) 1,1-Dichloroethane	6.385	63	1029208	50.19	ug/l	98
25) 2-Butanone	7.335	43	2803944	235.47	ug/l	91
26) 2,2-Dichloropropane	7.324	77	709121	44.48	ug/l	97
27) cis-1,2-Dichloroethene	7.324	96	569505	48.28	ug/l	87
28) Bromochloromethane	7.657	49	518018	48.58	ug/l #	77
29) Tetrahydrofuran	7.686	42	1806765	249.88	ug/l	88
30) Chloroform	7.817	83	1022848	49.39	ug/l	99
31) Cyclohexane	8.094	56	896934	44.24	ug/l	88
32) 1,1,1-Trichloroethane	8.016	97	844124	47.85	ug/l	96
36) 1,1-Dichloropropene	8.220	75	708156	46.43	ug/l	96
37) Ethyl Acetate	7.412	43	1082227	47.67	ug/l	96
38) Carbon Tetrachloride	8.206	117	670194	44.81	ug/l	100
39) Methylcyclohexane	9.459	83	822509	45.33	ug/l	90
40) Benzene	8.458	78	2196498	47.11	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.638	41	546478	51.28	ug/l #	89
42) 1,2-Dichloroethane	8.528	62	890720	47.33	ug/l	97
43) Isopropyl Acetate	8.560	43	1687443	50.23	ug/l #	94
44) Trichloroethene	9.215	130	513636	46.16	ug/l	93
45) 1,2-Dichloropropane	9.491	63	625421	49.95	ug/l	100
46) Dibromomethane	9.577	93	387166	47.15	ug/l	93
47) Bromodichloromethane	9.762	83	776352	49.94	ug/l	99
48) Methyl methacrylate	9.558	41	791634	50.49	ug/l	86
49) 1,4-Dioxane	9.569	88	273058	970.62	ug/l #	85
51) 4-Methyl-2-Pentanone	10.330	43	5708732	261.93	ug/l	95
52) Toluene	10.505	92	1363452	47.90	ug/l	98
53) t-1,3-Dichloropropene	10.719	75	822391	44.31	ug/l	99
54) cis-1,3-Dichloropropene	10.188	75	888140	45.44	ug/l	90
55) 1,1,2-Trichloroethane	10.899	97	568627	49.51	ug/l	98
56) Ethyl methacrylate	10.762	69	998804	46.27	ug/l #	88
57) 1,3-Dichloropropane	11.044	76	1008323	49.86	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.041	63	1450053	247.95	ug/l	91
59) 2-Hexanone	11.084	43	4166256	252.70	ug/l	93
60) Dibromochloromethane	11.240	129	541043	44.25	ug/l	99
61) 1,2-Dibromoethane	11.347	107	572600	48.14	ug/l	99
64) Tetrachloroethene	10.977	164	465519	44.60	ug/l	96
65) Chlorobenzene	11.771	112	1464500	46.90	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.840	131	526858	47.94	ug/l	99
67) Ethyl Benzene	11.846	91	2746167	48.42	ug/l	96
68) m/p-Xylenes	11.953	106	1994333	96.57	ug/l	91
69) o-Xylene	12.280	106	1017179	48.90	ug/l	92
70) Styrene	12.294	104	1682298	51.00	ug/l	95
71) Bromoform	12.457	173	399078	42.87	ug/l #	100
73) Isopropylbenzene	12.578	105	2684495	44.92	ug/l	98
74) N-amyl acetate	12.387	43	1283743	48.58	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.827	83	936075	45.30	ug/l	99
76) 1,2,3-Trichloropropane	12.881	75	814669m	42.29	ug/l	
77) Bromobenzene	12.860	156	617289	43.98	ug/l	75
78) n-propylbenzene	12.921	91	3075067	46.24	ug/l	96
79) 2-Chlorotoluene	13.007	91	1911253	45.49	ug/l	92
80) 1,3,5-Trimethylbenzene	13.058	105	2202323	45.79	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.626	75	239875	41.51	ug/l	93
82) 4-Chlorotoluene	13.104	91	1826099	46.21	ug/l	91
83) tert-Butylbenzene	13.324	119	1976495	46.41	ug/l	93
84) 1,2,4-Trimethylbenzene	13.369	105	2151467	46.97	ug/l	97
85) sec-Butylbenzene	13.501	105	2711408	46.93	ug/l	97
86) p-Isopropyltoluene	13.616	119	2127998	47.13	ug/l	96
87) 1,3-Dichlorobenzene	13.616	146	1034397	44.86	ug/l	97
88) 1,4-Dichlorobenzene	13.694	146	1005932	44.39	ug/l	97
89) n-Butylbenzene	13.943	91	1753210	47.86	ug/l	97
90) Hexachloroethane	14.211	117	347425	43.82	ug/l	89
91) 1,2-Dichlorobenzene	13.989	146	1006224	44.78	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.603	75	172476	46.19	ug/l	78
93) 1,2,4-Trichlorobenzene	15.265	180	496316	45.32	ug/l	97
94) Hexachlorobutadiene	15.370	225	284831	47.83	ug/l	98
95) Naphthalene	15.507	128	1471117	45.23	ug/l	100
96) 1,2,3-Trichlorobenzene	15.702	180	494957	46.28	ug/l	98

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

