

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032422\
 Data File : VD072418.D
 Acq On : 24 Mar 2022 20:07
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/25/2022
 Supervised By : Mahesh Dadoda 03/25/2022

Quant Time: Mar 25 02:59:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	387686	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	656323	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	617121	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	303672	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	239576	55.450	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.900%	
35) Dibromofluoromethane	7.908	113	241304	52.246	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.500%	
50) Toluene-d8	10.338	98	859482	50.893	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.780%	
62) 4-Bromofluorobenzene	12.620	95	327934	49.976	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 99.960%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	136059	37.943	ug/l	94
3) Chloromethane	2.209	50	175749	55.156	ug/l	98
4) Vinyl Chloride	2.350	62	170347	55.384	ug/l	98
5) Bromomethane	2.767	94	117674	58.753	ug/l	91
6) Chloroethane	2.926	64	116576	57.326	ug/l	99
7) Trichlorofluoromethane	3.273	101	304492	43.837	ug/l	100
8) Diethyl Ether	3.709	74	104254	54.345	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.103	101	195916	44.235	ug/l	96
10) Methyl Iodide	4.297	142	180741	45.749	ug/l	97
11) Tert butyl alcohol	5.214	59	66122	263.949	ug/l	100
12) 1,1-Dichloroethene	4.067	96	170460	47.840	ug/l	95
13) Acrolein	3.926	56	23966	107.213	ug/l	99
14) Allyl chloride	4.714	41	336661	54.040	ug/l	94
15) Acrylonitrile	5.414	53	278250	287.457	ug/l	98
16) Acetone	4.150	43	212630	226.666	ug/l	94
17) Carbon Disulfide	4.414	76	380972	45.969	ug/l	96
18) Methyl Acetate	4.720	43	128233	55.781	ug/l	96
19) Methyl tert-butyl Ether	5.479	73	529741	54.699	ug/l	96
20) Methylene Chloride	4.961	84	249079	54.183	ug/l	90
21) trans-1,2-Dichloroethene	5.473	96	204889	51.989	ug/l	96
22) Diisopropyl ether	6.361	45	793899	55.871	ug/l	95
23) Vinyl Acetate	6.303	43	2149281	296.376	ug/l	96
24) 1,1-Dichloroethane	6.261	63	440412	52.554	ug/l	99
25) 2-Butanone	7.208	43	337144	269.553	ug/l	95
26) 2,2-Dichloropropane	7.208	77	342465	45.292	ug/l	96
27) cis-1,2-Dichloroethene	7.214	96	263677	52.406	ug/l	95
28) Bromochloromethane	7.538	49	206806	61.300	ug/l	88
29) Tetrahydrofuran	7.561	42	222722	302.835	ug/l	97
30) Chloroform	7.708	83	460345	51.564	ug/l	98
31) Cyclohexane	7.985	56	321532	47.633	ug/l	92
32) 1,1,1-Trichloroethane	7.903	97	378621	47.750	ug/l	98
36) 1,1-Dichloropropene	8.108	75	300185	46.330	ug/l	97
37) Ethyl Acetate	7.291	43	152841	53.851	ug/l	98
38) Carbon Tetrachloride	8.097	117	314964	42.764	ug/l	100
39) Methylcyclohexane	9.355	83	334345	45.857	ug/l	99
40) Benzene	8.350	78	915330	49.518	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	106017	64.087	ug/l	97
42) 1,2-Dichloroethane	8.420	62	281362	50.177	ug/l	97
43) Isopropyl Acetate	8.450	43	304204	55.221	ug/l	97
44) Trichloroethene	9.108	130	241333	46.506	ug/l	95
45) 1,2-Dichloropropane	9.385	63	253220	49.950	ug/l	98
46) Dibromomethane	9.473	93	127609	51.173	ug/l	95
47) Bromodichloromethane	9.655	83	353753	48.661	ug/l	99
48) Methyl methacrylate	9.449	41	135853	51.647	ug/l #	83
49) 1,4-Dioxane	9.455	88	31059	1038.636	ug/l #	91
51) 4-Methyl-2-Pentanone	10.220	43	805686	278.461	ug/l	96
52) Toluene	10.397	92	585325	48.122	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	325083	48.944	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	381490	49.685	ug/l	94
55) 1,1,2-Trichloroethane	10.791	97	212157	55.849	ug/l	94
56) Ethyl methacrylate	10.655	69	270638	60.825	ug/l	95
57) 1,3-Dichloropropane	10.938	76	324179	50.847	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	568315	284.072	ug/l	97
59) 2-Hexanone	10.979	43	593769	297.129	ug/l	98
60) Dibromochloromethane	11.138	129	236525	47.983	ug/l	98
61) 1,2-Dibromoethane	11.238	107	174733	50.904	ug/l	97
64) Tetrachloroethene	10.873	164	192998	44.387	ug/l	99
65) Chlorobenzene	11.667	112	647656	47.339	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	246030	45.475	ug/l	99
67) Ethyl Benzene	11.738	91	1162874	47.590	ug/l	99
68) m/p-Xylenes	11.849	106	871219	93.896	ug/l	100
69) o-Xylene	12.173	106	427968	48.221	ug/l	98
70) Styrene	12.185	104	744705	48.052	ug/l	98
71) Bromoform	12.355	173	133295	46.123	ug/l #	97
73) Isopropylbenzene	12.473	105	1152685	47.900	ug/l	99
74) N-amyl acetate	12.279	43	331792	64.158	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	12.720	83	219561	51.015	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	145772m	43.517	ug/l	
77) Bromobenzene	12.749	156	257051	47.459	ug/l	98
78) n-propylbenzene	12.814	91	1390146	47.559	ug/l	98
79) 2-Chlorotoluene	12.896	91	810576	47.957	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	954763	46.182	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	67226	49.793	ug/l	93
82) 4-Chlorotoluene	12.996	91	832782	47.585	ug/l	100
83) tert-Butylbenzene	13.214	119	835521	46.098	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	950503	46.661	ug/l	100
85) sec-Butylbenzene	13.390	105	1233746	45.327	ug/l	99
86) p-Isopropyltoluene	13.508	119	1017436	45.426	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	525073	46.256	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	511400	45.432	ug/l	99
89) n-Butylbenzene	13.832	91	976637	45.747	ug/l	99
90) Hexachloroethane	14.102	117	192744	43.907	ug/l	97
91) 1,2-Dichlorobenzene	13.879	146	460945	46.574	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.490	75	33967	49.452	ug/l	87
93) 1,2,4-Trichlorobenzene	15.149	180	291393	44.471	ug/l	100
94) Hexachlorobutadiene	15.255	225	153256	40.209	ug/l	99
95) Naphthalene	15.384	128	566814	50.183	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	253259	44.653	ug/l	100

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

