

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111121\
 Data File : VD071003.D
 Acq On : 11 Nov 2021 20:43
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Nov 12 08:05:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 10 03:55:51 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Vimala Arumugam 11/12/2021
 Supervised By :Mahesh Dadoda 11/17/2021

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	274967	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	497207	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	459633	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	209792	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	152862	52.214	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.420%			
35) Dibromofluoromethane	7.908	113	141153	50.310	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.620%			
50) Toluene-d8	10.332	98	527954	48.050	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.100%			
62) 4-Bromofluorobenzene	12.620	95	191917	48.511	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.020%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	107453	45.739	ug/l	96
3) Chloromethane	2.209	50	165223	59.104	ug/l	98
4) Vinyl Chloride	2.344	62	164620	61.232	ug/l	98
5) Bromomethane	2.762	94	113019	61.676	ug/l	97
6) Chloroethane	2.920	64	109843	63.614	ug/l	93
7) Trichlorofluoromethane	3.267	101	222254	51.367	ug/l	94
8) Diethyl Ether	3.703	74	77690	54.254	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.091	101	133144	49.921	ug/l	97
10) Methyl Iodide	4.303	142	143329	45.552	ug/l	98
11) Tert butyl alcohol	5.214	59	53114	248.246	ug/l	97
12) 1,1-Dichloroethene	4.067	96	131085	50.204	ug/l	85
13) Acrolein	3.920	56	13886	211.522	ug/l	100
14) Allyl chloride	4.714	41	277494	51.023	ug/l #	84
15) Acrylonitrile	5.414	53	191922	280.095	ug/l	96
16) Acetone	4.150	43	166944	214.235	ug/l	92
17) Carbon Disulfide	4.409	76	401419	47.613	ug/l	97
18) Methyl Acetate	4.714	43	144955	57.714	ug/l	92
19) Methyl tert-butyl Ether	5.473	73	384809	57.089	ug/l	94
20) Methylene Chloride	4.962	84	186429	56.060	ug/l	91
21) trans-1,2-Dichloroethene	5.473	96	156539	52.306	ug/l	88
22) Diisopropyl ether	6.361	45	597315	55.245	ug/l	95
23) Vinyl Acetate	6.303	43	1415392	245.659	ug/l	97
24) 1,1-Dichloroethane	6.261	63	314221	54.412	ug/l	99
25) 2-Butanone	7.208	43	242394	238.283	ug/l	89
26) 2,2-Dichloropropane	7.208	77	236164	48.455	ug/l	97
27) cis-1,2-Dichloroethene	7.208	96	186098	54.398	ug/l	94
28) Bromochloromethane	7.544	49	139741	57.051	ug/l	88
29) Tetrahydrofuran	7.561	42	164516	276.574	ug/l	93
30) Chloroform	7.708	83	310382	56.531	ug/l	97
31) Cyclohexane	7.979	56	268360	44.574	ug/l	98
32) 1,1,1-Trichloroethane	7.903	97	254776	54.029	ug/l	94
36) 1,1-Dichloropropene	8.108	75	223678	50.386	ug/l	97
37) Ethyl Acetate	7.291	43	112089	55.343	ug/l #	92
38) Carbon Tetrachloride	8.091	117	213656	52.262	ug/l	97
39) Methylcyclohexane	9.350	83	263776	46.007	ug/l	98
40) Benzene	8.350	78	660696	52.847	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	69462	47.917	ug/l #	78
42) 1,2-Dichloroethane	8.420	62	199771	56.415	ug/l	96
43) Isopropyl Acetate	8.444	43	239366	55.843	ug/l #	88
44) Trichloroethene	9.108	130	170187	52.813	ug/l	92
45) 1,2-Dichloropropane	9.379	63	179404	53.061	ug/l	97
46) Dibromomethane	9.473	93	90546	56.264	ug/l	97
47) Bromodichloromethane	9.655	83	238266	55.975	ug/l	96
48) Methyl methacrylate	9.450	41	106058	50.438	ug/l #	82
49) 1,4-Dioxane	9.455	88	21120	1132.668	ug/l	93
51) 4-Methyl-2-Pentanone	10.220	43	587298	282.612	ug/l	90
52) Toluene	10.397	92	414816	52.636	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	221931	51.702	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	256754	50.724	ug/l #	81
55) 1,1,2-Trichloroethane	10.796	97	122440	55.356	ug/l	96
56) Ethyl methacrylate	10.655	69	173714	55.508	ug/l #	77
57) 1,3-Dichloropropane	10.938	76	219329	54.605	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	405535	249.260	ug/l	100
59) 2-Hexanone	10.979	43	396975	244.649	ug/l	89
60) Dibromochloromethane	11.132	129	151719	57.178	ug/l	99
61) 1,2-Dibromoethane	11.238	107	120154	55.846	ug/l	99
64) Tetrachloroethene	10.867	164	142404	53.132	ug/l	93
65) Chlorobenzene	11.661	112	440791	53.749	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	158525	54.461	ug/l	98
67) Ethyl Benzene	11.738	91	799534	51.481	ug/l	99
68) m/p-Xylenes	11.843	106	603637	103.995	ug/l	96
69) o-Xylene	12.173	106	290005	52.526	ug/l	95
70) Styrene	12.185	104	505758	54.101	ug/l	98
71) Bromoform	12.349	173	83114	54.755	ug/l	99
73) Isopropylbenzene	12.467	105	753461	49.853	ug/l	99
74) N-amyl acetate	12.279	43	223906	51.856	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.720	83	140808	54.127	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	109902m	61.328	ug/l	
77) Bromobenzene	12.749	156	170417	52.773	ug/l	96
78) n-propylbenzene	12.808	91	926962	49.498	ug/l	100
79) 2-Chlorotoluene	12.896	91	533839	49.995	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	630198	50.643	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.520	75	38275	41.737	ug/l #	84
82) 4-Chlorotoluene	12.996	91	552552	50.140	ug/l	100
83) tert-Butylbenzene	13.214	119	537197	50.114	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	620266	50.896	ug/l	98
85) sec-Butylbenzene	13.390	105	796792	49.442	ug/l	100
86) p-Isopropyltoluene	13.502	119	657968	50.845	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	329354	52.163	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	325335	51.463	ug/l	98
89) n-Butylbenzene	13.826	91	642081	49.372	ug/l	99
90) Hexachloroethane	14.096	117	130697	51.038	ug/l	92
91) 1,2-Dichlorobenzene	13.873	146	293398	53.628	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	22249	52.148	ug/l	99
93) 1,2,4-Trichlorobenzene	15.143	180	177024	50.573	ug/l	99
94) Hexachlorobutadiene	15.249	225	93668	53.059	ug/l	99
95) Naphthalene	15.379	128	358221	53.596	ug/l	100
96) 1,2,3-Trichlorobenzene	15.573	180	158822	53.964	ug/l	99

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

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