

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041122\
 Data File : VD072577.D
 Acq On : 11 Apr 2022 09:52
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/12/2022
 Supervised By : Mahesh Dadoda 04/12/2022

Quant Time: Apr 12 01:00:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	403624	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	640058	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	591313	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	302047	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	220893	45.241	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.480%		
35) Dibromofluoromethane	7.909	113	242759	48.804	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.600%		
50) Toluene-d8	10.332	98	820438	47.450	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.900%		
62) 4-Bromofluorobenzene	12.620	95	325415	48.190	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.380%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	156556	48.873	ug/l	97
3) Chloromethane	2.209	50	154939	52.294	ug/l	100
4) Vinyl Chloride	2.350	62	170257	49.995	ug/l	98
5) Bromomethane	2.768	94	123983	54.304	ug/l	96
6) Chloroethane	2.921	64	116878	53.559	ug/l	98
7) Trichlorofluoromethane	3.274	101	374809	53.907	ug/l	98
8) Diethyl Ether	3.715	74	107150	51.858	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.091	101	236063	50.908	ug/l	96
10) Methyl Iodide	4.297	142	193190	45.092	ug/l	99
11) Tert butyl alcohol	5.220	59	61979	240.372	ug/l #	89
12) 1,1-Dichloroethene	4.068	96	192152	53.003	ug/l	93
13) Acrolein	3.915	56	20649	180.462	ug/l	96
14) Allyl chloride	4.715	41	313849	49.317	ug/l #	92
15) Acrylonitrile	5.415	53	257053	248.762	ug/l	97
16) Acetone	4.144	43	256131	281.324	ug/l	93
17) Carbon Disulfide	4.409	76	391118	49.828	ug/l	99
18) Methyl Acetate	4.715	43	114441	44.617	ug/l #	91
19) Methyl tert-butyl Ether	5.479	73	549744	51.954	ug/l	95
20) Methylene Chloride	4.956	84	241319	44.523	ug/l #	84
21) trans-1,2-Dichloroethene	5.462	96	218767	49.449	ug/l	88
22) Diisopropyl ether	6.356	45	763550	52.422	ug/l #	93
23) Vinyl Acetate	6.297	43	1998703	254.998	ug/l #	95
24) 1,1-Dichloroethane	6.256	63	455446	51.891	ug/l	98
25) 2-Butanone	7.203	43	332131	263.769	ug/l #	89
26) 2,2-Dichloropropane	7.203	77	416687	53.450	ug/l	97
27) cis-1,2-Dichloroethene	7.209	96	282072	51.246	ug/l	92
28) Bromochloromethane	7.538	49	167200	44.460	ug/l #	80
29) Tetrahydrofuran	7.556	42	191960	252.507	ug/l	90
30) Chloroform	7.703	83	501737	50.818	ug/l	93
31) Cyclohexane	7.979	56	334853	52.449	ug/l	89
32) 1,1,1-Trichloroethane	7.897	97	451524	53.920	ug/l	95
36) 1,1-Dichloropropene	8.109	75	330269	51.913	ug/l	96
37) Ethyl Acetate	7.285	43	134560	51.054	ug/l #	91
38) Carbon Tetrachloride	8.091	117	382776	55.858	ug/l	95
39) Methylcyclohexane	9.350	83	376468	50.805	ug/l	96
40) Benzene	8.344	78	962803	55.424	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	77643m	50.393	ug/l	
42) 1,2-Dichloroethane	8.414	62	288959	54.421	ug/l	96
43) Isopropyl Acetate	8.444	43	270957	53.594	ug/l #	90
44) Trichloroethene	9.108	130	274813	55.722	ug/l	94
45) 1,2-Dichloropropane	9.379	63	259793	53.761	ug/l	98
46) Dibromomethane	9.467	93	140179	55.291	ug/l	95
47) Bromodichloromethane	9.656	83	387188	53.158	ug/l	96
48) Methyl methacrylate	9.450	41	124915	50.892	ug/l #	80
49) 1,4-Dioxane	9.450	88	31514	1044.935	ug/l #	94
51) 4-Methyl-2-Pentanone	10.220	43	714994	263.567	ug/l	93
52) Toluene	10.397	92	647081	56.070	ug/l	95
53) t-1,3-Dichloropropene	10.608	75	348793	54.953	ug/l	98
54) cis-1,3-Dichloropropene	10.079	75	407027	54.239	ug/l	89
55) 1,1,2-Trichloroethane	10.791	97	203934	53.058	ug/l	97
56) Ethyl methacrylate	10.655	69	241112	50.994	ug/l	84
57) 1,3-Dichloropropane	10.938	76	338891	53.333	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	494137	260.400	ug/l	93
59) 2-Hexanone	10.973	43	526511	285.413	ug/l	91
60) Dibromochloromethane	11.132	129	262055	52.854	ug/l	99
61) 1,2-Dibromoethane	11.238	107	185764	54.434	ug/l	99
64) Tetrachloroethene	10.867	164	214970	55.643	ug/l	98
65) Chlorobenzene	11.661	112	703326	53.201	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	282262	53.403	ug/l	99
67) Ethyl Benzene	11.738	91	1264736	54.827	ug/l	98
68) m/p-Xylenes	11.844	106	975648	111.483	ug/l	99
69) o-Xylene	12.173	106	465282	55.103	ug/l	96
70) Styrene	12.185	104	822065	55.241	ug/l	97
71) Bromoform	12.350	173	147448	52.623	ug/l #	99
73) Isopropylbenzene	12.467	105	1288865	52.836	ug/l	99
74) N-amyl acetate	12.279	43	257117	50.235	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.720	83	225616	48.830	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	167878m	50.960	ug/l	
77) Bromobenzene	12.749	156	283935	51.931	ug/l	93
78) n-propylbenzene	12.808	91	1563825	53.141	ug/l	98
79) 2-Chlorotoluene	12.897	91	895907	52.058	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	1083676	51.871	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	68069	50.702	ug/l	89
82) 4-Chlorotoluene	12.997	91	928299	51.792	ug/l	99
83) tert-Butylbenzene	13.214	119	964617	53.334	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	1071346	52.441	ug/l	100
85) sec-Butylbenzene	13.391	105	1440034	52.859	ug/l	98
86) p-Isopropyltoluene	13.502	119	1186469	53.281	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	584307	51.574	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	568351	49.774	ug/l	99
89) n-Butylbenzene	13.832	91	1136849	53.592	ug/l	99
90) Hexachloroethane	14.096	117	234127	51.359	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	510833	51.121	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.491	75	34579	50.604	ug/l	87
93) 1,2,4-Trichlorobenzene	15.143	180	316615	51.117	ug/l	98
94) Hexachlorobutadiene	15.249	225	182299	52.544	ug/l	99
95) Naphthalene	15.385	128	577149	47.955	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	280446	51.878	ug/l	99

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

