

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050222\
 Data File : VD072742.D
 Acq On : 02 May 2022 11:13
 Operator : VA/SY
 Sample : VSTDICC005
 Misc : 5.00G/5.00ml/MSVOA_D/soil
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/03/2022
 Supervised By : Mahesh Dadoda 05/03/2022

Quant Time: May 03 08:04:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:04:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	240607	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	440254	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	440853	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	211301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	17543	5.617	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	11.240%#		
35) Dibromofluoromethane	7.914	113	16984	5.493	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.980%#		
50) Toluene-d8	10.332	98	52080	4.696	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	9.400%#		
62) 4-Bromofluorobenzene	12.620	95	20545	4.968	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	9.940%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	19898	5.985	ug/l	99
3) Chloromethane	2.209	50	21076	6.095	ug/l	93
4) Vinyl Chloride	2.350	62	17033	5.490	ug/l	97
5) Bromomethane	2.768	94	14150	6.796	ug/l #	80
6) Chloroethane	2.921	64	11571	5.984	ug/l	99
7) Trichlorofluoromethane	3.273	101	30792	5.668	ug/l	98
8) Diethyl Ether	3.709	74	8960	5.752	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.097	101	18320m	5.680	ug/l	
10) Methyl Iodide	4.309	142	15811	4.884	ug/l	98
11) Tert butyl alcohol	5.209	59	7172m	26.054	ug/l	
12) 1,1-Dichloroethene	4.068	96	15665	5.399	ug/l #	66
13) Acrolein	3.920	56	7205	32.914	ug/l	100
14) Allyl chloride	4.709	41	25621	5.470	ug/l	90
15) Acrylonitrile	5.426	53	20556m	27.769	ug/l	
16) Acetone	4.162	43	22642	34.699	ug/l	99
17) Carbon Disulfide	4.415	76	53718	5.889	ug/l	97
18) Methyl Acetate	4.709	43	12439	6.746	ug/l #	87
19) Methyl tert-butyl Ether	5.473	73	35729	5.137	ug/l #	91
20) Methylene Chloride	4.962	84	39893	8.255	ug/l	89
21) trans-1,2-Dichloroethene	5.479	96	17768	5.340	ug/l #	79
22) Diisopropyl ether	6.362	45	52044	5.051	ug/l	91
23) Vinyl Acetate	6.297	43	139331	24.478	ug/l #	94
24) 1,1-Dichloroethane	6.267	63	34807	5.623	ug/l	96
25) 2-Butanone	7.209	43	25974	28.542	ug/l #	83
26) 2,2-Dichloropropane	7.209	77	28692	5.482	ug/l	100
27) cis-1,2-Dichloroethene	7.203	96	21829	5.728	ug/l	86
28) Bromochloromethane	7.544	49	11806	5.114	ug/l #	82
29) Tetrahydrofuran	7.561	42	15161	26.137	ug/l	95
30) Chloroform	7.703	83	38573	5.889	ug/l	91
31) Cyclohexane	7.973	56	30310	5.552	ug/l #	85
32) 1,1,1-Trichloroethane	7.903	97	30683	5.496	ug/l	96
36) 1,1-Dichloropropene	8.108	75	25003	4.973	ug/l	97
37) Ethyl Acetate	7.297	43	13036	5.640	ug/l #	79
38) Carbon Tetrachloride	8.091	117	27169	5.206	ug/l	99
39) Methylcyclohexane	9.350	83	27671	4.745	ug/l	90
40) Benzene	8.350	78	75433	5.196	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:04:11 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	5968	4.520	ug/l #	80
42) 1,2-Dichloroethane	8.420	62	24156	5.521	ug/l	97
43) Isopropyl Acetate	8.444	43	21551	5.052	ug/l #	82
44) Trichloroethene	9.108	130	20689	5.326	ug/l	87
45) 1,2-Dichloropropane	9.385	63	20614	5.406	ug/l #	87
46) Dibromomethane	9.467	93	11656	5.542	ug/l	96
47) Bromodichloromethane	9.655	83	29539	5.459	ug/l	95
48) Methyl methacrylate	9.450	41	10847	5.198	ug/l	93
49) 1,4-Dioxane	9.455	88	2871	121.217	ug/l #	77
51) 4-Methyl-2-Pentanone	10.220	43	56863	25.652	ug/l	100
52) Toluene	10.397	92	43530	4.806	ug/l	100
53) t-1,3-Dichloropropene	10.608	75	26116	5.255	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	29511	5.111	ug/l	96
55) 1,1,2-Trichloroethane	10.797	97	15004	5.277	ug/l	95
56) Ethyl methacrylate	10.655	69	16117	4.814	ug/l	89
57) 1,3-Dichloropropane	10.938	76	25485	5.223	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.932	63	37334	23.001	ug/l	100
59) 2-Hexanone	10.973	43	35417	23.745	ug/l	99
60) Dibromochloromethane	11.132	129	19638	5.486	ug/l	99
61) 1,2-Dibromoethane	11.238	107	14690	5.308	ug/l	98
64) Tetrachloroethene	10.867	164	17955	5.571	ug/l	92
65) Chlorobenzene	11.661	112	52382	5.137	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.732	131	19448	5.075	ug/l	98
67) Ethyl Benzene	11.732	91	80389	4.556	ug/l	98
68) m/p-Xylenes	11.844	106	58606	8.622	ug/l	96
69) o-Xylene	12.167	106	27471	4.327	ug/l	99
70) Styrene	12.185	104	46843	4.259	ug/l	98
71) Bromoform	12.349	173	11094	5.342	ug/l #	96
73) Isopropylbenzene	12.467	105	69261	4.213	ug/l	99
74) N-amyl acetate	12.279	43	18260	4.460	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.720	83	17296	5.212	ug/l	95
76) 1,2,3-Trichloropropane	12.773	75	10688m	4.683	ug/l	
77) Bromobenzene	12.749	156	19326	4.951	ug/l	96
78) n-propylbenzene	12.808	91	89351	4.312	ug/l	100
79) 2-Chlorotoluene	12.896	91	55847	4.614	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	58031	4.163	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	4962	4.843	ug/l	95
82) 4-Chlorotoluene	12.991	91	56411	4.461	ug/l	98
83) tert-Butylbenzene	13.214	119	50753	4.282	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	60174	4.319	ug/l	100
85) sec-Butylbenzene	13.385	105	74313	4.157	ug/l	97
86) p-Isopropyltoluene	13.502	119	60076	4.099	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	39801	5.061	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	40004	5.108	ug/l	92
89) n-Butylbenzene	13.826	91	60091	4.233	ug/l	99
90) Hexachloroethane	14.091	117	14439	4.809	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	34256	4.998	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.490	75	3096	5.885	ug/l	100
93) 1,2,4-Trichlorobenzene	15.143	180	18953	4.669	ug/l	98
94) Hexachlorobutadiene	15.249	225	11524	5.199	ug/l	95
95) Naphthalene	15.379	128	32336	4.333	ug/l	98
96) 1,2,3-Trichlorobenzene	15.573	180	17392	4.834	ug/l	98

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

