

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052622\
 Data File : VD073380.D
 Acq On : 26 May 2022 11:22
 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 :Krupa Patel 05/27/2022
 Supervised By :Mahesh Dadoda 05/27/2022

Quant Time: May 26 16:56:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	334702	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	537242	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	522212	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	264282	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	182069	49.222	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.440%		
35) Dibromofluoromethane	7.908	113	191531	54.027	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	108.060%		
50) Toluene-d8	10.332	98	708807	54.240	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	108.480%		
62) 4-Bromofluorobenzene	12.620	95	257460	56.139	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	112.280%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	193186	57.763	ug/l	97
3) Chloromethane	2.209	50	187366	49.545	ug/l	97
4) Vinyl Chloride	2.350	62	178801	51.705	ug/l	97
5) Bromomethane	2.762	94	123862	56.386	ug/l	96
6) Chloroethane	2.920	64	110692	52.070	ug/l	97
7) Trichlorofluoromethane	3.273	101	320185	52.363	ug/l	100
8) Diethyl Ether	3.709	74	82637	49.182	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.085	101	191026	52.359	ug/l	96
10) Methyl Iodide	4.303	142	200606	50.964	ug/l	100
11) Tert butyl alcohol	5.209	59	68117	118.694	ug/l #	91
12) 1,1-Dichloroethene	4.067	96	176588	52.499	ug/l	85
13) Acrolein	3.915	56	49008	213.663	ug/l	97
14) Allyl chloride	4.709	41	268585	49.468	ug/l #	90
15) Acrylonitrile	5.414	53	186272	242.439	ug/l	98
16) Acetone	4.150	43	181063	282.605	ug/l	90
17) Carbon Disulfide	4.409	76	595429	53.399	ug/l	98
18) Methyl Acetate	4.709	43	87431	49.075	ug/l	92
19) Methyl tert-butyl Ether	5.467	73	381872	49.834	ug/l	99
20) Methylene Chloride	4.962	84	224988	55.829	ug/l	87
21) trans-1,2-Dichloroethene	5.473	96	211165	51.922	ug/l	86
22) Diisopropyl ether	6.361	45	564359	49.584	ug/l #	93
23) Vinyl Acetate	6.297	43	1530308	252.065	ug/l #	92
24) 1,1-Dichloroethane	6.256	63	354949	48.585	ug/l	97
25) 2-Butanone	7.203	43	243885	260.183	ug/l	91
26) 2,2-Dichloropropane	7.203	77	311751	50.037	ug/l	97
27) cis-1,2-Dichloroethene	7.208	96	227325	50.515	ug/l	90
28) Bromochloromethane	7.538	49	116666	46.352	ug/l #	83
29) Tetrahydrofuran	7.556	42	149200	246.159	ug/l	92
30) Chloroform	7.703	83	380822	49.930	ug/l	91
31) Cyclohexane	7.979	56	315860	48.865	ug/l	91
32) 1,1,1-Trichloroethane	7.897	97	334283	50.111	ug/l	95
36) 1,1-Dichloropropene	8.108	75	287106	53.849	ug/l	95
37) Ethyl Acetate	7.285	43	107667	51.124	ug/l #	95
38) Carbon Tetrachloride	8.091	117	298703	55.268	ug/l	99
39) Methylcyclohexane	9.350	83	339178	57.082	ug/l	95
40) Benzene	8.344	78	835931	54.401	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	55579	45.296	ug/l #	81
42) 1,2-Dichloroethane	8.414	62	220285	51.521	ug/l	96
43) Isopropyl Acetate	8.444	43	199356	51.213	ug/l #	93
44) Trichloroethene	9.102	130	220010	53.692	ug/l	97
45) 1,2-Dichloropropane	9.379	63	207404	53.596	ug/l	100
46) Dibromomethane	9.467	93	111958	52.677	ug/l	98
47) Bromodichloromethane	9.655	83	285801	52.555	ug/l #	99
48) Methyl methacrylate	9.450	41	102082	52.124	ug/l #	88
49) 1,4-Dioxane	9.455	88	23697	1079.660	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	537607	265.908	ug/l	93
52) Toluene	10.397	92	540027	55.615	ug/l	97
53) t-1,3-Dichloropropene	10.608	75	261836	53.295	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	313271	53.284	ug/l	90
55) 1,1,2-Trichloroethane	10.791	97	154367	53.711	ug/l	99
56) Ethyl methacrylate	10.655	69	177396	55.515	ug/l #	82
57) 1,3-Dichloropropane	10.938	76	253290	52.524	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	387258	254.640	ug/l	94
59) 2-Hexanone	10.973	43	395092	296.409	ug/l	94
60) Dibromochloromethane	11.132	129	193831	54.087	ug/l	98
61) 1,2-Dibromoethane	11.238	107	142630	51.935	ug/l	99
64) Tetrachloroethene	10.867	164	185175	54.139	ug/l	97
65) Chlorobenzene	11.661	112	556619	51.957	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	206813	52.053	ug/l	98
67) Ethyl Benzene	11.738	91	1011974	53.810	ug/l	98
68) m/p-Xylenes	11.844	106	807621	110.534	ug/l	98
69) o-Xylene	12.167	106	366252	54.565	ug/l	97
70) Styrene	12.185	104	643276	55.704	ug/l	97
71) Bromoform	12.349	173	110424	54.001	ug/l #	100
73) Isopropylbenzene	12.467	105	985949	52.331	ug/l	98
74) N-amyl acetate	12.279	43	198624	48.326	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.720	83	171721	49.419	ug/l	97
76) 1,2,3-Trichloropropane	12.767	75	101469m	39.131	ug/l	
77) Bromobenzene	12.749	156	223342	50.358	ug/l	92
78) n-propylbenzene	12.808	91	1240023	52.426	ug/l	99
79) 2-Chlorotoluene	12.896	91	691533	50.637	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	837435	52.471	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.514	75	54367	50.334	ug/l	87
82) 4-Chlorotoluene	12.991	91	740510	51.731	ug/l	99
83) tert-Butylbenzene	13.208	119	717624	53.352	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	837437	53.114	ug/l	98
85) sec-Butylbenzene	13.385	105	1091970	53.168	ug/l	99
86) p-Isopropyltoluene	13.502	119	893247	53.353	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	459155	51.362	ug/l	98
88) 1,4-Dichlorobenzene	13.579	146	452576	50.153	ug/l	99
89) n-Butylbenzene	13.826	91	855811	53.649	ug/l	99
90) Hexachloroethane	14.096	117	177124	51.130	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	395783	51.170	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.485	75	25355	47.649	ug/l	89
93) 1,2,4-Trichlorobenzene	15.143	180	227915	51.902	ug/l	99
94) Hexachlorobutadiene	15.243	225	127338	51.460	ug/l	98
95) Naphthalene	15.379	128	398544	46.360	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	204644	52.568	ug/l	99

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

