

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD053122\
 Data File : VD073423.D
 Acq On : 31 May 2022 14:13
 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 06/01/2022
 Supervised By :Mahesh Dadoda 06/01/2022

Quant Time: May 31 17:41:41 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	375641	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	596314	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	570331	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	280409	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	193129	46.522	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.040%		
35) Dibromofluoromethane	7.908	113	203686	51.764	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.520%		
50) Toluene-d8	10.332	98	760505	52.431	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	104.860%		
62) 4-Bromofluorobenzene	12.620	95	286705	56.323	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	112.640%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	199268	53.088	ug/l	100
3) Chloromethane	2.209	50	188940	44.516	ug/l	95
4) Vinyl Chloride	2.344	62	176879	45.575	ug/l	99
5) Bromomethane	2.750	94	116835	46.690	ug/l	97
6) Chloroethane	2.909	64	110325	46.241	ug/l	96
7) Trichlorofluoromethane	3.262	101	330583	48.172	ug/l	97
8) Diethyl Ether	3.703	74	95264	50.518	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.085	101	202099	49.357	ug/l	96
10) Methyl Iodide	4.291	142	204824	46.364	ug/l	98
11) Tert butyl alcohol	5.220	59	68034	105.629	ug/l #	88
12) 1,1-Dichloroethene	4.062	96	185719	49.196	ug/l	88
13) Acrolein	3.920	56	49501	190.381	ug/l	99
14) Allyl chloride	4.703	41	295508	48.495	ug/l	90
15) Acrylonitrile	5.414	53	219011	253.984	ug/l	96
16) Acetone	4.156	43	176159	244.985	ug/l #	89
17) Carbon Disulfide	4.403	76	603717	48.241	ug/l	100
18) Methyl Acetate	4.709	43	96271	48.148	ug/l #	91
19) Methyl tert-butyl Ether	5.473	73	429594	49.952	ug/l	96
20) Methylene Chloride	4.956	84	236703	52.063	ug/l	87
21) trans-1,2-Dichloroethene	5.467	96	220363	48.278	ug/l	87
22) Diisopropyl ether	6.361	45	620718	48.592	ug/l	91
23) Vinyl Acetate	6.303	43	1702159	249.816	ug/l #	94
24) 1,1-Dichloroethane	6.256	63	376116	45.871	ug/l	97
25) 2-Butanone	7.203	43	263611	250.578	ug/l	93
26) 2,2-Dichloropropane	7.203	77	317067	45.344	ug/l	95
27) cis-1,2-Dichloroethene	7.203	96	239472	47.415	ug/l	91
28) Bromochloromethane	7.538	49	117730	41.677	ug/l #	78
29) Tetrahydrofuran	7.555	42	176805	259.912	ug/l	90
30) Chloroform	7.703	83	384281	44.892	ug/l	99
31) Cyclohexane	7.979	56	342061	47.151	ug/l	88
32) 1,1,1-Trichloroethane	7.897	97	347078	46.359	ug/l	96
36) 1,1-Dichloropropene	8.108	75	300146	50.718	ug/l	94
37) Ethyl Acetate	7.285	43	125310	53.607	ug/l #	94
38) Carbon Tetrachloride	8.091	117	305498	50.926	ug/l	97
39) Methylcyclohexane	9.349	83	366306	55.540	ug/l	95
40) Benzene	8.344	78	860078	50.428	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	73268	53.797	ug/l #	86
42) 1,2-Dichloroethane	8.420	62	235435	49.610	ug/l	95
43) Isopropyl Acetate	8.444	43	234582	54.293	ug/l #	93
44) Trichloroethene	9.102	130	234680	51.599	ug/l	94
45) 1,2-Dichloropropane	9.379	63	213078	49.607	ug/l	99
46) Dibromomethane	9.467	93	116351	49.321	ug/l	94
47) Bromodichloromethane	9.649	83	292383	48.439	ug/l	98
48) Methyl methacrylate	9.449	41	120013	55.209	ug/l	90
49) 1,4-Dioxane	9.455	88	27580	1132.095	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	627311	279.541	ug/l	94
52) Toluene	10.396	92	557857	51.760	ug/l	97
53) t-1,3-Dichloropropene	10.608	75	278129	51.004	ug/l	98
54) cis-1,3-Dichloropropene	10.079	75	330987	50.721	ug/l #	87
55) 1,1,2-Trichloroethane	10.785	97	162710	51.005	ug/l	96
56) Ethyl methacrylate	10.649	69	201335	56.765	ug/l	85
57) 1,3-Dichloropropane	10.938	76	272947	50.993	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	462436	272.312	ug/l	96
59) 2-Hexanone	10.973	43	430222	290.791	ug/l	93
60) Dibromochloromethane	11.132	129	202171	50.825	ug/l	98
61) 1,2-Dibromoethane	11.238	107	158112	51.869	ug/l	96
64) Tetrachloroethene	10.867	164	192997	51.665	ug/l	98
65) Chlorobenzene	11.661	112	586525	50.129	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	216588	49.914	ug/l	99
67) Ethyl Benzene	11.732	91	1059968	51.607	ug/l	99
68) m/p-Xylenes	11.843	106	839377	105.188	ug/l	97
69) o-Xylene	12.167	106	386075	52.666	ug/l	94
70) Styrene	12.185	104	672338	53.308	ug/l	97
71) Bromoform	12.349	173	117733	52.718	ug/l #	98
73) Isopropylbenzene	12.467	105	1033035	51.677	ug/l	100
74) N-amyl acetate	12.273	43	232974	53.423	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.714	83	186230	50.513	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	127040m	46.175	ug/l	
77) Bromobenzene	12.749	156	237715	50.516	ug/l	91
78) n-propylbenzene	12.808	91	1276075	50.848	ug/l	97
79) 2-Chlorotoluene	12.890	91	731996	50.517	ug/l	97
80) 1,3,5-Trimethylbenzene	12.943	105	878295	51.867	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	61565	53.720	ug/l	87
82) 4-Chlorotoluene	12.990	91	758771	49.959	ug/l	98
83) tert-Butylbenzene	13.208	119	731268	51.239	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	864016	51.649	ug/l	99
85) sec-Butylbenzene	13.385	105	1118892	51.345	ug/l	98
86) p-Isopropyltoluene	13.496	119	928793	52.286	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	476264	50.212	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	463775	48.438	ug/l	99
89) n-Butylbenzene	13.826	91	892011	52.702	ug/l	99
90) Hexachloroethane	14.096	117	180749	49.176	ug/l	97
91) 1,2-Dichlorobenzene	13.873	146	406215	49.498	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.485	75	29205	51.727	ug/l	89
93) 1,2,4-Trichlorobenzene	15.143	180	254200	54.559	ug/l	98
94) Hexachlorobutadiene	15.249	225	137693	52.444	ug/l	99
95) Naphthalene	15.379	128	474043	51.542	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	218139	52.812	ug/l	99

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

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