

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110821\
 Data File : VD070932.D
 Acq On : 08 Nov 2021 13:23
 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 :Vimala Arumugam 11/09/2021
 Supervised By :Mahesh Dadoda 11/10/2021

Quant Time: Nov 09 02:32:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 08 13:56:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	458932	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	804963	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	709774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	309325	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	268910	47.708	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.420%		
35) Dibromofluoromethane	7.914	113	244011	48.388	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.780%		
50) Toluene-d8	10.332	98	932031	47.547	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.100%		
62) 4-Bromofluorobenzene	12.620	95	338510	45.744	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	91.480%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	230916	46.879	ug/l	95
3) Chloromethane	2.209	50	234170	47.965	ug/l	98
4) Vinyl Chloride	2.350	62	239452	50.676	ug/l	100
5) Bromomethane	2.767	94	150370	52.105	ug/l	99
6) Chloroethane	2.920	64	151357	51.244	ug/l	93
7) Trichlorofluoromethane	3.273	101	446755	51.378	ug/l	94
8) Diethyl Ether	3.708	74	139027	56.655	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.097	101	269533	54.308	ug/l	96
10) Methyl Iodide	4.297	142	279510	47.600	ug/l	99
11) Tert butyl alcohol	5.220	59	94834	259.770	ug/l	99
12) 1,1-Dichloroethene	4.067	96	262889	54.881	ug/l	85
13) Acrolein	3.914	56	32493	298.217	ug/l	96
14) Allyl chloride	4.714	41	556555	55.274	ug/l #	84
15) Acrylonitrile	5.420	53	325237	298.787	ug/l	97
16) Acetone	4.155	43	418429	332.759	ug/l	88
17) Carbon Disulfide	4.408	76	840024	54.373	ug/l	98
18) Methyl Acetate	4.720	43	240035	58.014	ug/l	92
19) Methyl tert-butyl Ether	5.473	73	661383	55.523	ug/l	98
20) Methylene Chloride	4.961	84	312829	53.568	ug/l	86
21) trans-1,2-Dichloroethene	5.473	96	290816	53.615	ug/l	90
22) Diisopropyl ether	6.361	45	1022813	55.588	ug/l	94
23) Vinyl Acetate	6.302	43	2574910	298.368	ug/l	98
24) 1,1-Dichloroethane	6.261	63	566233	54.075	ug/l	99
25) 2-Butanone	7.208	43	473972	303.438	ug/l	90
26) 2,2-Dichloropropane	7.202	77	517206	53.580	ug/l	95
27) cis-1,2-Dichloroethene	7.208	96	330052	54.500	ug/l	91
28) Bromochloromethane	7.544	49	228702	54.600	ug/l	88
29) Tetrahydrofuran	7.561	42	279297	293.080	ug/l	92
30) Chloroform	7.708	83	543977	53.567	ug/l	99
31) Cyclohexane	7.985	56	573478	52.014	ug/l	99
32) 1,1,1-Trichloroethane	7.902	97	483516	51.546	ug/l	95
36) 1,1-Dichloropropene	8.108	75	437036	53.139	ug/l	97
37) Ethyl Acetate	7.291	43	197721	58.863	ug/l #	90
38) Carbon Tetrachloride	8.096	117	407104	50.984	ug/l	99
39) Methylcyclohexane	9.349	83	555760	52.636	ug/l	96
40) Benzene	8.349	78	1183492	54.238	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	133183	60.312	ug/l #	71
42) 1,2-Dichloroethane	8.420	62	354145	52.728	ug/l	95
43) Isopropyl Acetate	8.449	43	413504	57.493	ug/l #	88
44) Trichloroethene	9.108	130	308651	52.629	ug/l	94
45) 1,2-Dichloropropane	9.385	63	316255	55.246	ug/l	97
46) Dibromomethane	9.473	93	152488	53.884	ug/l	95
47) Bromodichloromethane	9.655	83	412626	53.339	ug/l	98
48) Methyl methacrylate	9.449	41	209245	56.356	ug/l #	82
49) 1,4-Dioxane	9.455	88	34192	1086.816	ug/l #	84
51) 4-Methyl-2-Pentanone	10.220	43	988851	292.297	ug/l	91
52) Toluene	10.396	92	738858	52.985	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	414721	53.778	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	482059	53.672	ug/l #	80
55) 1,1,2-Trichloroethane	10.790	97	203860	54.985	ug/l	97
56) Ethyl methacrylate	10.655	69	302058	55.665	ug/l #	77
57) 1,3-Dichloropropane	10.937	76	381257	55.663	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	724133	278.578	ug/l	100
59) 2-Hexanone	10.973	43	738336	293.814	ug/l	91
60) Dibromochloromethane	11.132	129	253193	53.509	ug/l	99
61) 1,2-Dibromoethane	11.237	107	200235	54.216	ug/l	100
64) Tetrachloroethene	10.867	164	245460	52.000	ug/l	94
65) Chlorobenzene	11.661	112	746744	53.337	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	270310	52.679	ug/l	99
67) Ethyl Benzene	11.737	91	1426531	52.737	ug/l	99
68) m/p-Xylenes	11.843	106	1053591	105.301	ug/l	93
69) o-Xylene	12.173	106	502532	52.443	ug/l	96
70) Styrene	12.184	104	846463	53.437	ug/l	96
71) Bromoform	12.349	173	137673	54.154	ug/l #	99
73) Isopropylbenzene	12.467	105	1347021	53.032	ug/l	100
74) N-amyl acetate	12.279	43	386099	57.937	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.720	83	225291	58.118	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	147107m	47.200	ug/l	
77) Bromobenzene	12.749	156	282738	53.943	ug/l	91
78) n-propylbenzene	12.808	91	1676211	54.030	ug/l	100
79) 2-Chlorotoluene	12.896	91	948769	53.246	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	1100104	52.205	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.514	75	76634	58.341	ug/l #	82
82) 4-Chlorotoluene	12.996	91	967624	52.551	ug/l	99
83) tert-Butylbenzene	13.214	119	943250	51.955	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	1078162	52.616	ug/l	98
85) sec-Butylbenzene	13.390	105	1428273	53.005	ug/l	100
86) p-Isopropyltoluene	13.502	119	1150920	52.194	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	549120	53.594	ug/l	97
88) 1,4-Dichlorobenzene	13.584	146	545082	53.707	ug/l	98
89) n-Butylbenzene	13.831	91	1159317	53.243	ug/l	100
90) Hexachloroethane	14.096	117	230554	53.182	ug/l	93
91) 1,2-Dichlorobenzene	13.873	146	478295	54.313	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.490	75	38298	53.277	ug/l	96
93) 1,2,4-Trichlorobenzene	15.143	180	307268	54.129	ug/l	99
94) Hexachlorobutadiene	15.249	225	161036	52.418	ug/l	99
95) Naphthalene	15.384	128	601731	57.092	ug/l	99
96) 1,2,3-Trichlorobenzene	15.578	180	261656	54.921	ug/l	96

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

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