

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050522\
 Data File : VD072821.D
 Acq On : 05 May 2022 20:32
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/06/2022
 Supervised By :Semsettin Yesilyurt 05/06/2022

Quant Time: May 06 05:53:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	318901	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	560291	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	536394	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	243326	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	236857	57.218	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.440%			
35) Dibromofluoromethane	7.909	113	212042	53.886	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.780%			
50) Toluene-d8	10.332	98	766582	54.309	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.620%			
62) 4-Bromofluorobenzene	12.620	95	286399	54.416	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.840%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	217125	49.271	ug/l	94
3) Chloromethane	2.209	50	272324	59.422	ug/l	97
4) Vinyl Chloride	2.344	62	246656	59.980	ug/l	98
5) Bromomethane	2.756	94	157581	62.689	ug/l	92
6) Chloroethane	2.915	64	154538	60.296	ug/l	97
7) Trichlorofluoromethane	3.268	101	399667	55.501	ug/l	96
8) Diethyl Ether	3.709	74	118434	57.368	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.091	101	227078	53.115	ug/l	99
10) Methyl Iodide	4.297	142	196442	45.786	ug/l	96
11) Tert butyl alcohol	5.215	59	90115	251.605	ug/l	96
12) 1,1-Dichloroethene	4.062	96	205256	53.378	ug/l	94
13) Acrolein	3.921	56	68477	277.328	ug/l	96
14) Allyl chloride	4.703	41	388337	62.552	ug/l	98
15) Acrylonitrile	5.415	53	273152	278.406	ug/l	98
16) Acetone	4.156	43	212350	275.488	ug/l	98
17) Carbon Disulfide	4.403	76	632971	52.351	ug/l	99
18) Methyl Acetate	4.715	43	128467	57.066	ug/l	94
19) Methyl tert-butyl Ether	5.479	73	576372	62.524	ug/l	99
20) Methylene Chloride	4.956	84	277742	56.970	ug/l	92
21) trans-1,2-Dichloroethene	5.468	96	246284	55.845	ug/l	95
22) Diisopropyl ether	6.356	45	837554	61.328	ug/l	97
23) Vinyl Acetate	6.297	43	2379544	315.411	ug/l	97
24) 1,1-Dichloroethane	6.256	63	480280	58.534	ug/l	99
25) 2-Butanone	7.203	43	343536	284.822	ug/l	99
26) 2,2-Dichloropropane	7.203	77	387412	55.851	ug/l	99
27) cis-1,2-Dichloroethene	7.203	96	281991	55.828	ug/l	99
28) Bromochloromethane	7.538	49	179054	58.518	ug/l	91
29) Tetrahydrofuran	7.556	42	226988	295.249	ug/l	96
30) Chloroform	7.703	83	500780	57.681	ug/l	100
31) Cyclohexane	7.979	56	387143	53.500	ug/l	95
32) 1,1,1-Trichloroethane	7.897	97	431875	58.367	ug/l	98
36) 1,1-Dichloropropene	8.103	75	353751	55.287	ug/l	100
37) Ethyl Acetate	7.285	43	166331	56.549	ug/l	98
38) Carbon Tetrachloride	8.091	117	369075	55.568	ug/l	98
39) Methylcyclohexane	9.350	83	395421	53.279	ug/l	99
40) Benzene	8.344	78	1006496	54.471	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	91092	52.011	ug/l	88
42) 1,2-Dichloroethane	8.420	62	330393	59.337	ug/l	99
43) Isopropyl Acetate	8.444	43	325535	59.963	ug/l	98
44) Trichloroethene	9.103	130	258267	52.245	ug/l	96
45) 1,2-Dichloropropane	9.379	63	265123	54.636	ug/l	94
46) Dibromomethane	9.467	93	146334	54.668	ug/l	95
47) Bromodichloromethane	9.650	83	386358	56.107	ug/l	97
48) Methyl methacrylate	9.450	41	154648	58.228	ug/l #	85
49) 1,4-Dioxane	9.450	88	31229	1036.040	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	832410	295.071	ug/l	98
52) Toluene	10.397	92	632446	54.870	ug/l	98
53) t-1,3-Dichloropropene	10.608	75	355376	56.186	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	412635	56.153	ug/l	98
55) 1,1,2-Trichloroethane	10.791	97	190861	52.745	ug/l	96
56) Ethyl methacrylate	10.650	69	257831	60.516	ug/l	94
57) 1,3-Dichloropropane	10.938	76	339606	54.689	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	610162	295.379	ug/l	100
59) 2-Hexanone	10.973	43	564532	297.397	ug/l	100
60) Dibromochloromethane	11.132	129	243552	53.466	ug/l	98
61) 1,2-Dibromoethane	11.238	107	185758	52.740	ug/l	100
64) Tetrachloroethene	10.867	164	199993	50.997	ug/l	93
65) Chlorobenzene	11.661	112	656641	52.927	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	254822	54.653	ug/l	99
67) Ethyl Benzene	11.732	91	1234736	57.507	ug/l	97
68) m/p-Xylenes	11.844	106	923874	111.705	ug/l	95
69) o-Xylene	12.167	106	441473	57.154	ug/l	99
70) Styrene	12.185	104	774210	57.850	ug/l	99
71) Bromoform	12.350	173	130587	51.678	ug/l #	100
73) Isopropylbenzene	12.467	105	1168747	61.736	ug/l	99
74) N-amyl acetate	12.273	43	315855	66.996	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	216096	56.547	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	156760m	57.776	ug/l	
77) Bromobenzene	12.749	156	255139	56.754	ug/l	99
78) n-propylbenzene	12.808	91	1447181	60.653	ug/l	99
79) 2-Chlorotoluene	12.897	91	841812	60.397	ug/l	99
80) 1,3,5-Trimethylbenzene	12.944	105	993184	61.871	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	69078	58.547	ug/l	98
82) 4-Chlorotoluene	12.991	91	875765	60.137	ug/l	98
83) tert-Butylbenzene	13.208	119	822404	60.260	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	993004	61.886	ug/l	98
85) sec-Butylbenzene	13.385	105	1234430	59.971	ug/l	100
86) p-Isopropyltoluene	13.502	119	1028844	60.964	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	511602	56.492	ug/l	98
88) 1,4-Dichlorobenzene	13.579	146	503627	55.843	ug/l	98
89) n-Butylbenzene	13.826	91	999714	61.151	ug/l	99
90) Hexachloroethane	14.096	117	197026	56.989	ug/l	97
91) 1,2-Dichlorobenzene	13.873	146	437527	55.435	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.485	75	35926	59.304	ug/l	98
93) 1,2,4-Trichlorobenzene	15.143	180	265070	56.709	ug/l	99
94) Hexachlorobutadiene	15.249	225	135639	53.134	ug/l	99
95) Naphthalene	15.379	128	533159	62.039	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	234134	56.506	ug/l	99

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

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