

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD053122\
 Data File : VD073425.D
 Acq On : 31 May 2022 15:12
 Operator : VA/SY
 Sample : VD0531SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/soil
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0531SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/01/2022
 Supervised By :Mahesh Dadoda 06/01/2022

Quant Time: May 31 17:42:57 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	357474	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	596273	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	567087	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	283391	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	185703	47.006	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.020%		
35) Dibromofluoromethane	7.909	113	195218	49.616	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.240%		
50) Toluene-d8	10.332	98	720144	49.652	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.300%		
62) 4-Bromofluorobenzene	12.620	95	267565	52.567	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	105.140%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	69304	19.402	ug/l	99
3) Chloromethane	2.209	50	66255	16.404	ug/l	99
4) Vinyl Chloride	2.344	62	63645	17.232	ug/l	93
5) Bromomethane	2.738	94	45494	16.511	ug/l	94
6) Chloroethane	2.903	64	41191	18.142	ug/l	89
7) Trichlorofluoromethane	3.256	101	127488	19.521	ug/l	92
8) Diethyl Ether	3.709	74	37194	20.726	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.079	101	78164	20.059	ug/l	95
10) Methyl Iodide	4.285	142	68353	16.259	ug/l	98
11) Tert butyl alcohol	5.197	59	58697	95.764	ug/l #	84
12) 1,1-Dichloroethene	4.056	96	70609	19.655	ug/l	92
13) Acrolein	3.921	56	24368	89.259	ug/l	96
14) Allyl chloride	4.703	41	112284	19.363	ug/l #	90
15) Acrylonitrile	5.415	53	90770	110.614	ug/l	96
16) Acetone	4.150	43	69760	101.946	ug/l	93
17) Carbon Disulfide	4.397	76	193986	16.289	ug/l	98
18) Methyl Acetate	4.715	43	45941	24.144	ug/l #	90
19) Methyl tert-butyl Ether	5.479	73	177073	21.636	ug/l	99
20) Methylene Chloride	4.950	84	116817	24.911	ug/l	89
21) trans-1,2-Dichloroethene	5.456	96	86125	19.828	ug/l	92
22) Diisopropyl ether	6.356	45	258304	21.249	ug/l #	91
23) Vinyl Acetate	6.297	43	663092	102.264	ug/l	97
24) 1,1-Dichloroethane	6.256	63	154017	19.739	ug/l	100
25) 2-Butanone	7.203	43	109495	109.371	ug/l	96
26) 2,2-Dichloropropane	7.197	77	134583	20.225	ug/l	96
27) cis-1,2-Dichloroethene	7.203	96	94988	19.763	ug/l	92
28) Bromochloromethane	7.538	49	49101	18.266	ug/l #	81
29) Tetrahydrofuran	7.561	42	68679	106.093	ug/l #	87
30) Chloroform	7.703	83	163024	20.012	ug/l	97
31) Cyclohexane	7.979	56	133654	19.360	ug/l	90
32) 1,1,1-Trichloroethane	7.897	97	138943	19.501	ug/l	96
36) 1,1-Dichloropropene	8.103	75	117117	19.791	ug/l	95
37) Ethyl Acetate	7.291	43	52136	22.305	ug/l #	94
38) Carbon Tetrachloride	8.091	117	123214	20.541	ug/l	98
39) Methylcyclohexane	9.350	83	133554	20.251	ug/l	99
40) Benzene	8.344	78	344893	20.223	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	26499	19.458	ug/l #	87
42) 1,2-Dichloroethane	8.414	62	98291	20.713	ug/l	96
43) Isopropyl Acetate	8.444	43	94105	21.782	ug/l #	90
44) Trichloroethene	9.103	130	95746	21.053	ug/l	93
45) 1,2-Dichloropropane	9.379	63	88833	20.683	ug/l	99
46) Dibromomethane	9.467	93	49169	20.844	ug/l	96
47) Bromodichloromethane	9.650	83	124442	20.618	ug/l	99
48) Methyl methacrylate	9.450	41	42789	19.685	ug/l #	80
49) 1,4-Dioxane	9.456	88	10211	419.167	ug/l #	87
51) 4-Methyl-2-Pentanone	10.220	43	258720	115.298	ug/l	94
52) Toluene	10.397	92	226406	21.008	ug/l	97
53) t-1,3-Dichloropropene	10.608	75	117190	21.492	ug/l	100
54) cis-1,3-Dichloropropene	10.079	75	137286	21.039	ug/l	88
55) 1,1,2-Trichloroethane	10.791	97	70573	22.124	ug/l	98
56) Ethyl methacrylate	10.650	69	79720	22.478	ug/l	86
57) 1,3-Dichloropropane	10.932	76	115658	21.609	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.932	63	179245	118.798	ug/l	93
59) 2-Hexanone	10.973	43	172390	116.528	ug/l	95
60) Dibromochloromethane	11.132	129	86881	21.843	ug/l	100
61) 1,2-Dibromoethane	11.238	107	66364	21.772	ug/l	99
64) Tetrachloroethene	10.867	164	76705	20.651	ug/l	91
65) Chlorobenzene	11.661	112	246386	21.179	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	95072	22.035	ug/l	97
67) Ethyl Benzene	11.732	91	419702	20.551	ug/l	99
68) m/p-Xylenes	11.844	106	343105	43.243	ug/l	97
69) o-Xylene	12.167	106	155539	21.339	ug/l	95
70) Styrene	12.185	104	272885	21.760	ug/l	97
71) Bromoform	12.349	173	51511	23.197	ug/l #	98
73) Isopropylbenzene	12.467	105	411930	20.390	ug/l	99
74) N-amyl acetate	12.279	43	93523	21.220	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.714	83	81745	21.939	ug/l	97
76) 1,2,3-Trichloropropane	12.773	75	53857m	19.369	ug/l	
77) Bromobenzene	12.749	156	99182	20.855	ug/l	94
78) n-propylbenzene	12.808	91	519708	20.491	ug/l	98
79) 2-Chlorotoluene	12.891	91	303383	20.717	ug/l	96
80) 1,3,5-Trimethylbenzene	12.949	105	368019	21.504	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.514	75	25357	21.893	ug/l	93
82) 4-Chlorotoluene	12.991	91	320027	20.849	ug/l	98
83) tert-Butylbenzene	13.208	119	295309	20.474	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	364184	21.541	ug/l	99
85) sec-Butylbenzene	13.385	105	461972	20.977	ug/l	98
86) p-Isopropyltoluene	13.496	119	382994	21.334	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	207558	21.652	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	203651	21.046	ug/l	98
89) n-Butylbenzene	13.826	91	357861	20.921	ug/l	99
90) Hexachloroethane	14.096	117	78363	21.096	ug/l	97
91) 1,2-Dichlorobenzene	13.873	146	180593	21.774	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.485	75	12114	21.230	ug/l	87
93) 1,2,4-Trichlorobenzene	15.143	180	105517	22.409	ug/l	99
94) Hexachlorobutadiene	15.249	225	58210	21.938	ug/l	99
95) Naphthalene	15.379	128	188319	22.410	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	91514	21.923	ug/l	99

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

