

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052522\
 Data File : VD073361.D
 Acq On : 25 May 2022 15:27
 Operator : VA/SY
 Sample : VD0525SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0525SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/26/2022
 Supervised By :Mahesh Dadoda 05/30/2022

Quant Time: May 26 02:24:49 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	317009	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	542552	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	509462	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	256794	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	186634	53.272	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.540%			
35) Dibromofluoromethane	7.909	113	195517	54.612	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.220%			
50) Toluene-d8	10.332	98	716339	54.280	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.560%			
62) 4-Bromofluorobenzene	12.620	95	262679	56.716	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 113.440%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	68539	21.637	ug/l	97
3) Chloromethane	2.209	50	69948	19.528	ug/l	97
4) Vinyl Chloride	2.344	62	65599	20.028	ug/l	98
5) Bromomethane	2.750	94	46798	19.854	ug/l	98
6) Chloroethane	2.909	64	41152	20.438	ug/l	89
7) Trichlorofluoromethane	3.268	101	125703	21.705	ug/l	97
8) Diethyl Ether	3.709	74	34584	21.732	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.085	101	75909	21.967	ug/l	96
10) Methyl Iodide	4.291	142	72826	19.534	ug/l	97
11) Tert butyl alcohol	5.173	59	57111m	105.070	ug/l	
12) 1,1-Dichloroethene	4.062	96	66828	20.977	ug/l	84
13) Acrolein	3.926	56	24402	103.262	ug/l	99
14) Allyl chloride	4.715	41	104216	20.266	ug/l #	90
15) Acrylonitrile	5.415	53	80301	110.347	ug/l	97
16) Acetone	4.156	43	61439	101.247	ug/l	97
17) Carbon Disulfide	4.403	76	192960	18.271	ug/l	98
18) Methyl Acetate	4.709	43	39469	23.390	ug/l	92
19) Methyl tert-butyl Ether	5.473	73	153364	21.131	ug/l	100
20) Methylene Chloride	4.962	84	99786	23.836	ug/l	85
21) trans-1,2-Dichloroethene	5.467	96	81306	21.108	ug/l	88
22) Diisopropyl ether	6.362	45	236518	21.940	ug/l #	90
23) Vinyl Acetate	6.303	43	594784	103.438	ug/l #	95
24) 1,1-Dichloroethane	6.262	63	146251	21.136	ug/l	99
25) 2-Butanone	7.209	43	93234	105.016	ug/l	97
26) 2,2-Dichloropropane	7.203	77	122794	20.809	ug/l	95
27) cis-1,2-Dichloroethene	7.209	96	91398	21.444	ug/l	91
28) Bromochloromethane	7.532	49	46125	19.349	ug/l #	79
29) Tetrahydrofuran	7.561	42	59425	103.515	ug/l	92
30) Chloroform	7.703	83	157234	21.765	ug/l	99
31) Cyclohexane	7.979	56	123444	20.163	ug/l	87
32) 1,1,1-Trichloroethane	7.897	97	132757	21.012	ug/l	98
36) 1,1-Dichloropropene	8.109	75	111663	20.738	ug/l	97
37) Ethyl Acetate	7.285	43	45386	21.340	ug/l #	97
38) Carbon Tetrachloride	8.097	117	118353	21.684	ug/l	96
39) Methylcyclohexane	9.350	83	121680	20.278	ug/l	97
40) Benzene	8.344	78	328113	21.144	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	29111	23.493	ug/l #	87
42) 1,2-Dichloroethane	8.420	62	91421	21.173	ug/l	93
43) Isopropyl Acetate	8.444	43	84541	21.505	ug/l	94
44) Trichloroethene	9.103	130	89302	21.580	ug/l	97
45) 1,2-Dichloropropane	9.379	63	84193	21.544	ug/l	100
46) Dibromomethane	9.467	93	45177	21.048	ug/l	97
47) Bromodichloromethane	9.655	83	118996	21.668	ug/l	98
48) Methyl methacrylate	9.450	41	40922	20.691	ug/l #	86
49) 1,4-Dioxane	9.456	88	10095	455.437	ug/l	92
51) 4-Methyl-2-Pentanone	10.220	43	220228	107.862	ug/l	94
52) Toluene	10.397	92	213958	21.819	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	106654	21.496	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	126995	21.389	ug/l #	86
55) 1,1,2-Trichloroethane	10.791	97	63915	22.021	ug/l	93
56) Ethyl methacrylate	10.655	69	69740	21.611	ug/l #	85
57) 1,3-Dichloropropane	10.938	76	104878	21.535	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.932	63	135723	102.488	ug/l	95
59) 2-Hexanone	10.973	43	144049	107.012	ug/l	93
60) Dibromochloromethane	11.132	129	81794	22.600	ug/l	96
61) 1,2-Dibromoethane	11.238	107	60208	21.708	ug/l	100
64) Tetrachloroethene	10.867	164	74314	22.271	ug/l	97
65) Chlorobenzene	11.661	112	229416	21.951	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	87109	22.473	ug/l	98
67) Ethyl Benzene	11.738	91	398277	21.708	ug/l	98
68) m/p-Xylenes	11.844	106	319416	44.810	ug/l	97
69) o-Xylene	12.167	106	146513	22.374	ug/l	93
70) Styrene	12.185	104	254106	22.555	ug/l	97
71) Bromoform	12.349	173	46009	23.063	ug/l #	98
73) Isopropylbenzene	12.467	105	383701	20.960	ug/l	99
74) N-amyl acetate	12.279	43	81741	20.468	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.720	83	73205	21.682	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	60341m	23.949	ug/l	
77) Bromobenzene	12.749	156	92066	21.364	ug/l	92
78) n-propylbenzene	12.808	91	497476	21.646	ug/l	99
79) 2-Chlorotoluene	12.897	91	279757	21.082	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	333240	21.489	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	21367	20.359	ug/l	90
82) 4-Chlorotoluene	12.991	91	302401	21.741	ug/l	99
83) tert-Butylbenzene	13.208	119	269272	20.603	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	332897	21.730	ug/l	98
85) sec-Butylbenzene	13.391	105	432587	21.677	ug/l	99
86) p-Isopropyltoluene	13.502	119	353412	21.725	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	189605	21.828	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	188381	21.484	ug/l	100
89) n-Butylbenzene	13.826	91	341856	22.055	ug/l	98
90) Hexachloroethane	14.096	117	71056	21.110	ug/l	97
91) 1,2-Dichlorobenzene	13.873	146	162321	21.598	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.485	75	10388	20.091	ug/l	88
93) 1,2,4-Trichlorobenzene	15.143	180	92161	21.599	ug/l	99
94) Hexachlorobutadiene	15.249	225	53981	22.451	ug/l	98
95) Naphthalene	15.385	128	154582	20.634	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	82786	21.886	ug/l	98

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

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