

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052422\
 Data File : VD073319.D
 Acq On : 24 May 2022 12:31
 Operator : VA/SY
 Sample : VD0524SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0524SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/25/2022
 Supervised By :Mahesh Dadoda 05/25/2022

Quant Time: May 24 16:44:10 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	311277	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	536487	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	514274	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	255497	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	180649	52.513	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.020%			
35) Dibromofluoromethane	7.908	113	193306	54.605	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.200%			
50) Toluene-d8	10.332	98	708945	54.327	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.660%			
62) 4-Bromofluorobenzene	12.620	95	257564	56.241	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 112.480%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	70592	22.696	ug/l	98
3) Chloromethane	2.209	50	72762	20.688	ug/l	94
4) Vinyl Chloride	2.344	62	64619	20.092	ug/l	99
5) Bromomethane	2.750	94	51031	22.534	ug/l	98
6) Chloroethane	2.915	64	42355	21.423	ug/l	90
7) Trichlorofluoromethane	3.268	101	129022	22.688	ug/l	97
8) Diethyl Ether	3.703	74	34823	22.285	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.091	101	76251	22.473	ug/l	96
10) Methyl Iodide	4.291	142	69652	19.027	ug/l	99
11) Tert butyl alcohol	5.185	59	60708	113.744	ug/l #	74
12) 1,1-Dichloroethene	4.062	96	66841	21.367	ug/l	85
13) Acrolein	3.920	56	26867	118.105	ug/l	96
14) Allyl chloride	4.709	41	107645	21.318	ug/l	90
15) Acrylonitrile	5.420	53	84745	118.599	ug/l	97
16) Acetone	4.156	43	69503	116.645	ug/l	91
17) Carbon Disulfide	4.409	76	200856	19.368	ug/l	99
18) Methyl Acetate	4.720	43	38390	23.170	ug/l	92
19) Methyl tert-butyl Ether	5.467	73	157999	22.170	ug/l	98
20) Methylene Chloride	4.962	84	120779	30.391	ug/l	90
21) trans-1,2-Dichloroethene	5.467	96	81544	21.559	ug/l	93
22) Diisopropyl ether	6.361	45	244720	23.119	ug/l #	91
23) Vinyl Acetate	6.303	43	621357	110.049	ug/l #	94
24) 1,1-Dichloroethane	6.261	63	147910	21.769	ug/l	99
25) 2-Butanone	7.208	43	100922	115.769	ug/l	93
26) 2,2-Dichloropropane	7.203	77	127702	22.039	ug/l	98
27) cis-1,2-Dichloroethene	7.203	96	92036	21.991	ug/l	91
28) Bromochloromethane	7.544	49	46904	20.038	ug/l #	82
29) Tetrahydrofuran	7.561	42	63709	113.021	ug/l	94
30) Chloroform	7.703	83	160441	22.618	ug/l	97
31) Cyclohexane	7.979	56	123024	20.465	ug/l	90
32) 1,1,1-Trichloroethane	7.897	97	136711	22.036	ug/l	97
36) 1,1-Dichloropropene	8.108	75	113251	21.271	ug/l	96
37) Ethyl Acetate	7.285	43	46564	22.141	ug/l #	92
38) Carbon Tetrachloride	8.091	117	118087	21.880	ug/l	98
39) Methylcyclohexane	9.350	83	122854	20.705	ug/l	98
40) Benzene	8.350	78	337114	21.970	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	29753	24.282	ug/l	93
42) 1,2-Dichloroethane	8.420	62	93352	21.864	ug/l	95
43) Isopropyl Acetate	8.444	43	86991	22.379	ug/l #	93
44) Trichloroethene	9.103	130	90881	22.210	ug/l	90
45) 1,2-Dichloropropane	9.379	63	85978	22.249	ug/l	92
46) Dibromomethane	9.467	93	45208	21.301	ug/l	93
47) Bromodichloromethane	9.655	83	120537	22.196	ug/l #	94
48) Methyl methacrylate	9.450	41	42770	21.869	ug/l	89
49) 1,4-Dioxane	9.450	88	10054	458.715	ug/l	96
51) 4-Methyl-2-Pentanone	10.220	43	234463	116.132	ug/l	96
52) Toluene	10.397	92	218890	22.574	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	110083	22.438	ug/l	96
54) cis-1,3-Dichloropropene	10.079	75	131228	22.352	ug/l #	86
55) 1,1,2-Trichloroethane	10.791	97	67831	23.634	ug/l	93
56) Ethyl methacrylate	10.655	69	69378	21.742	ug/l	90
57) 1,3-Dichloropropane	10.938	76	110239	22.892	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.932	63	131039	100.580	ug/l	96
59) 2-Hexanone	10.973	43	157632	118.426	ug/l	97
60) Dibromochloromethane	11.132	129	82377	23.019	ug/l	99
61) 1,2-Dibromoethane	11.238	107	62841	22.914	ug/l	99
64) Tetrachloroethene	10.867	164	74042	21.982	ug/l	92
65) Chlorobenzene	11.661	112	236106	22.379	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	87466	22.354	ug/l	99
67) Ethyl Benzene	11.738	91	406194	21.932	ug/l	100
68) m/p-Xylenes	11.844	106	319630	44.421	ug/l	99
69) o-Xylene	12.173	106	146865	22.218	ug/l	95
70) Styrene	12.185	104	256897	22.589	ug/l	97
71) Bromoform	12.349	173	45687	22.687	ug/l #	96
73) Isopropylbenzene	12.467	105	391897	21.516	ug/l	99
74) N-amyl acetate	12.279	43	85105	21.418	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.714	83	75555	22.492	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	55386m	22.094	ug/l	
77) Bromobenzene	12.749	156	92297	21.526	ug/l	95
78) n-propylbenzene	12.808	91	500979	21.909	ug/l	98
79) 2-Chlorotoluene	12.896	91	286332	21.687	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	341601	22.140	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	23240	22.256	ug/l	90
82) 4-Chlorotoluene	12.991	91	304872	22.030	ug/l	100
83) tert-Butylbenzene	13.208	119	280447	21.567	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	337436	22.138	ug/l	97
85) sec-Butylbenzene	13.391	105	432314	21.773	ug/l	99
86) p-Isopropyltoluene	13.502	119	359915	22.237	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	195923	22.670	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	188531	21.611	ug/l	99
89) n-Butylbenzene	13.826	91	342128	22.185	ug/l	99
90) Hexachloroethane	14.096	117	74642	22.288	ug/l	100
91) 1,2-Dichlorobenzene	13.873	146	167123	22.350	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.485	75	10650	20.702	ug/l	82
93) 1,2,4-Trichlorobenzene	15.143	180	94138	22.175	ug/l	100
94) Hexachlorobutadiene	15.249	225	53515	22.370	ug/l	99
95) Naphthalene	15.385	128	164500	21.823	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	83125	22.087	ug/l	99

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

