

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052622\
 Data File : VD073383.D
 Acq On : 26 May 2022 12:46
 Operator : VA/SY
 Sample : VD0526SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0526SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/27/2022
 Supervised By :Mahesh Dadoda 05/27/2022

Quant Time: May 26 16:58:02 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	315433	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	533091	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	503579	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	255205	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	175639	50.384	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.760%			
35) Dibromofluoromethane	7.908	113	185131	52.629	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.260%			
50) Toluene-d8	10.332	98	678229	52.304	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.600%			
62) 4-Bromofluorobenzene	12.620	95	249454	54.817	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 109.640%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	70619	22.405	ug/l	99
3) Chloromethane	2.209	50	68216	19.140	ug/l	97
4) Vinyl Chloride	2.350	62	65598	20.128	ug/l	99
5) Bromomethane	2.750	94	47415	20.297	ug/l	99
6) Chloroethane	2.914	64	42605	21.266	ug/l	95
7) Trichlorofluoromethane	3.267	101	124692	21.638	ug/l	100
8) Diethyl Ether	3.709	74	34007	21.476	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.091	101	71588	20.820	ug/l	95
10) Methyl Iodide	4.303	142	69011	18.603	ug/l	98
11) Tert butyl alcohol	5.214	59	28611	52.900	ug/l #	82
12) 1,1-Dichloroethene	4.067	96	67065	21.156	ug/l	86
13) Acrolein	3.920	56	22729	95.442	ug/l	94
14) Allyl chloride	4.708	41	97988	19.150	ug/l #	89
15) Acrylonitrile	5.414	53	78687	108.670	ug/l	97
16) Acetone	4.156	43	59596	98.700	ug/l	93
17) Carbon Disulfide	4.409	76	190052	18.085	ug/l	97
18) Methyl Acetate	4.720	43	38552	22.961	ug/l #	87
19) Methyl tert-butyl Ether	5.473	73	153411	21.243	ug/l	100
20) Methylene Chloride	4.956	84	104831	25.408	ug/l	85
21) trans-1,2-Dichloroethene	5.467	96	79962	20.862	ug/l	89
22) Diisopropyl ether	6.361	45	230588	21.497	ug/l #	94
23) Vinyl Acetate	6.303	43	588173	102.799	ug/l #	92
24) 1,1-Dichloroethane	6.261	63	144333	20.963	ug/l	96
25) 2-Butanone	7.208	43	89437	101.242	ug/l	92
26) 2,2-Dichloropropane	7.208	77	122808	20.915	ug/l	96
27) cis-1,2-Dichloroethene	7.208	96	89064	21.000	ug/l	90
28) Bromochloromethane	7.538	49	45774	19.297	ug/l #	19
29) Tetrahydrofuran	7.567	42	58571	102.537	ug/l	91
30) Chloroform	7.708	83	158598	22.064	ug/l	99
31) Cyclohexane	7.985	56	120281	19.745	ug/l	88
32) 1,1,1-Trichloroethane	7.897	97	133200	21.187	ug/l	96
36) 1,1-Dichloropropene	8.108	75	112429	21.251	ug/l	96
37) Ethyl Acetate	7.291	43	46547	22.274	ug/l #	94
38) Carbon Tetrachloride	8.091	117	118073	22.017	ug/l	97
39) Methylcyclohexane	9.349	83	119485	20.265	ug/l	96
40) Benzene	8.344	78	324838	21.305	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	21804	17.908	ug/l #	80
42) 1,2-Dichloroethane	8.420	62	92442	21.789	ug/l	96
43) Isopropyl Acetate	8.444	43	82291	21.305	ug/l #	93
44) Trichloroethene	9.108	130	88865	21.856	ug/l	94
45) 1,2-Dichloropropane	9.379	63	83279	21.688	ug/l	98
46) Dibromomethane	9.467	93	45831	21.732	ug/l	98
47) Bromodichloromethane	9.655	83	117724	21.816	ug/l	99
48) Methyl methacrylate	9.449	41	41684	21.450	ug/l #	88
49) 1,4-Dioxane	9.449	88	8830	405.437	ug/l	94
51) 4-Methyl-2-Pentanone	10.220	43	215160	107.250	ug/l	93
52) Toluene	10.396	92	213403	22.148	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	108049	22.164	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	128289	21.991	ug/l	90
55) 1,1,2-Trichloroethane	10.791	97	62811	22.025	ug/l	97
56) Ethyl methacrylate	10.649	69	68620	21.641	ug/l #	86
57) 1,3-Dichloropropane	10.938	76	106418	22.239	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	134067	102.919	ug/l	97
59) 2-Hexanone	10.979	43	144373	109.156	ug/l	95
60) Dibromochloromethane	11.132	129	81892	23.029	ug/l	99
61) 1,2-Dibromoethane	11.238	107	59852	21.963	ug/l	98
64) Tetrachloroethene	10.867	164	73675	22.337	ug/l	97
65) Chlorobenzene	11.661	112	231404	22.399	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	86693	22.627	ug/l	98
67) Ethyl Benzene	11.738	91	398280	21.961	ug/l	96
68) m/p-Xylenes	11.843	106	316875	44.973	ug/l	98
69) o-Xylene	12.173	106	141980	21.935	ug/l	97
70) Styrene	12.185	104	250566	22.500	ug/l	97
71) Bromoform	12.349	173	47414	24.045	ug/l #	99
73) Isopropylbenzene	12.467	105	381770	20.984	ug/l	99
74) N-amyl acetate	12.279	43	80227	20.214	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.720	83	73395	21.874	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	41554m	16.595	ug/l	
77) Bromobenzene	12.749	156	93563	21.847	ug/l	91
78) n-propylbenzene	12.808	91	494751	21.661	ug/l	99
79) 2-Chlorotoluene	12.896	91	280854	21.297	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	340896	22.119	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	22035	21.126	ug/l	89
82) 4-Chlorotoluene	12.990	91	301500	21.812	ug/l	99
83) tert-Butylbenzene	13.208	119	279801	21.542	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	333304	21.892	ug/l	97
85) sec-Butylbenzene	13.390	105	429047	21.633	ug/l	99
86) p-Isopropyltoluene	13.502	119	354331	21.917	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	190763	22.098	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	188558	21.638	ug/l	99
89) n-Butylbenzene	13.826	91	333261	21.634	ug/l	99
90) Hexachloroethane	14.096	117	74561	22.289	ug/l	100
91) 1,2-Dichlorobenzene	13.873	146	168910	22.615	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	10589	20.607	ug/l	84
93) 1,2,4-Trichlorobenzene	15.143	180	93622	22.078	ug/l	100
94) Hexachlorobutadiene	15.249	225	52746	22.074	ug/l	98
95) Naphthalene	15.379	128	155891	20.886	ug/l	98
96) 1,2,3-Trichlorobenzene	15.579	180	82220	21.871	ug/l	99

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

