

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052322\
 Data File : VD073275.D
 Acq On : 23 May 2022 11:26
 Operator : VA/SY
 Sample : VD0523SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0523SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/24/2022
 Supervised By :Mahesh Dadoda 05/24/2022

Quant Time: May 24 03:25:09 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	308771	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	530448	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	510767	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	252183	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	176654	51.769	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.540%			
35) Dibromofluoromethane	7.908	113	186171	53.188	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.380%			
50) Toluene-d8	10.332	98	683626	52.983	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.960%			
62) 4-Bromofluorobenzene	12.620	95	239688	52.933	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.860%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	66020	21.398	ug/l	99
3) Chloromethane	2.208	50	66890	19.173	ug/l	97
4) Vinyl Chloride	2.350	62	63282	19.836	ug/l	99
5) Bromomethane	2.750	94	45314	19.712	ug/l	95
6) Chloroethane	2.914	64	42560	21.702	ug/l	98
7) Trichlorofluoromethane	3.267	101	118319	20.975	ug/l	97
8) Diethyl Ether	3.708	74	30139	19.444	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.097	101	70964	21.084	ug/l	94
10) Methyl Iodide	4.297	142	61014	16.802	ug/l	98
11) Tert butyl alcohol	5.226	59	22793m	43.052	ug/l	
12) 1,1-Dichloroethene	4.061	96	62417	20.115	ug/l	88
13) Acrolein	3.926	56	22245	95.422	ug/l	98
14) Allyl chloride	4.708	41	93525	18.672	ug/l #	93
15) Acrylonitrile	5.414	53	74222	104.715	ug/l	98
16) Acetone	4.150	43	56633	95.817	ug/l	94
17) Carbon Disulfide	4.408	76	186605	18.140	ug/l	97
18) Methyl Acetate	4.714	43	35526	21.615	ug/l	93
19) Methyl tert-butyl Ether	5.479	73	140180	19.830	ug/l	99
20) Methylene Chloride	4.955	84	83780	19.947	ug/l #	84
21) trans-1,2-Dichloroethene	5.473	96	75898	20.229	ug/l	89
22) Diisopropyl ether	6.361	45	220054	20.958	ug/l	95
23) Vinyl Acetate	6.302	43	560014	99.990	ug/l #	93
24) 1,1-Dichloroethane	6.261	63	139491	20.697	ug/l	98
25) 2-Butanone	7.208	43	90181	104.287	ug/l	97
26) 2,2-Dichloropropane	7.208	77	114189	19.867	ug/l	97
27) cis-1,2-Dichloroethene	7.208	96	83292	20.063	ug/l	94
28) Bromochloromethane	7.543	49	45693	19.679	ug/l	84
29) Tetrahydrofuran	7.555	42	54453	97.385	ug/l	90
30) Chloroform	7.708	83	149666	21.271	ug/l	100
31) Cyclohexane	7.979	56	112848	18.924	ug/l #	86
32) 1,1,1-Trichloroethane	7.896	97	130433	21.195	ug/l	94
36) 1,1-Dichloropropene	8.108	75	105834	20.104	ug/l	96
37) Ethyl Acetate	7.285	43	40040	19.256	ug/l #	93
38) Carbon Tetrachloride	8.091	117	111482	20.891	ug/l	98
39) Methylcyclohexane	9.355	83	110992	18.919	ug/l	97
40) Benzene	8.343	78	312922	20.625	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	25735	21.242	ug/l	93
42) 1,2-Dichloroethane	8.420	62	89173	21.123	ug/l	95
43) Isopropyl Acetate	8.443	43	76403	19.879	ug/l #	90
44) Trichloroethene	9.108	130	82413	20.370	ug/l	96
45) 1,2-Dichloropropane	9.379	63	80413	21.046	ug/l	92
46) Dibromomethane	9.467	93	42983	20.483	ug/l	96
47) Bromodichloromethane	9.655	83	112282	20.912	ug/l #	98
48) Methyl methacrylate	9.449	41	36044	18.640	ug/l #	82
49) 1,4-Dioxane	9.455	88	8681	400.581	ug/l	98
51) 4-Methyl-2-Pentanone	10.220	43	204655	102.522	ug/l	94
52) Toluene	10.396	92	203212	21.196	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	100843	20.789	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	118477	20.410	ug/l #	89
55) 1,1,2-Trichloroethane	10.790	97	61740	21.757	ug/l	98
56) Ethyl methacrylate	10.655	69	64202	20.349	ug/l #	86
57) 1,3-Dichloropropane	10.937	76	101308	21.277	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	117995	93.530	ug/l	97
59) 2-Hexanone	10.973	43	135374	102.862	ug/l	97
60) Dibromochloromethane	11.132	129	77536	21.913	ug/l	97
61) 1,2-Dibromoethane	11.237	107	55709	20.545	ug/l	95
64) Tetrachloroethene	10.867	164	69189	20.682	ug/l	97
65) Chlorobenzene	11.661	112	218800	20.881	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	81154	20.883	ug/l	99
67) Ethyl Benzene	11.737	91	368909	20.056	ug/l	98
68) m/p-Xylenes	11.843	106	298130	41.717	ug/l	98
69) o-Xylene	12.167	106	133821	20.384	ug/l	96
70) Styrene	12.184	104	238089	21.079	ug/l	96
71) Bromoform	12.349	173	43768	21.884	ug/l #	98
73) Isopropylbenzene	12.467	105	360931	20.076	ug/l	99
74) N-amyl acetate	12.279	43	75687	19.298	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.720	83	69262	20.889	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	50697m	20.489	ug/l	
77) Bromobenzene	12.749	156	87461	20.666	ug/l	93
78) n-propylbenzene	12.808	91	458106	20.297	ug/l	98
79) 2-Chlorotoluene	12.896	91	262669	20.156	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	317539	20.851	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	21332	20.697	ug/l	84
82) 4-Chlorotoluene	12.990	91	284506	20.829	ug/l	99
83) tert-Butylbenzene	13.208	119	263437	20.525	ug/l	94
84) 1,2,4-Trimethylbenzene	13.255	105	313092	20.811	ug/l	98
85) sec-Butylbenzene	13.390	105	397522	20.284	ug/l	99
86) p-Isopropyltoluene	13.502	119	330230	20.671	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	182724	21.421	ug/l	99
88) 1,4-Dichlorobenzene	13.584	146	177999	20.671	ug/l	99
89) n-Butylbenzene	13.826	91	308595	20.273	ug/l	100
90) Hexachloroethane	14.096	117	68301	20.662	ug/l	97
91) 1,2-Dichlorobenzene	13.873	146	152812	20.705	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	10722	21.116	ug/l	96
93) 1,2,4-Trichlorobenzene	15.143	180	86587	20.664	ug/l	99
94) Hexachlorobutadiene	15.249	225	49428	20.933	ug/l	98
95) Naphthalene	15.384	128	139382	19.235	ug/l	99
96) 1,2,3-Trichlorobenzene	15.572	180	76392	20.565	ug/l	100

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

