

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060122\
 Data File : VD073442.D
 Acq On : 01 Jun 2022 12:25
 Operator : VA/SY
 Sample : VD0601SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0601SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/02/2022
 Supervised By :Mahesh Dadoda 06/02/2022

Quant Time: Jun 02 04:06:49 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	7.967	168	338042	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	567436	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	544188	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	278873	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	179555	48.063	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.120%		
35) Dibromofluoromethane	7.909	113	189232	50.538	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.080%		
50) Toluene-d8	10.332	98	692302	50.158	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.320%		
62) 4-Bromofluorobenzene	12.620	95	256808	53.017	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	106.040%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	59070	17.488	ug/l	99
3) Chloromethane	2.209	50	56456	14.781	ug/l	98
4) Vinyl Chloride	2.344	62	54376	15.569	ug/l	99
5) Bromomethane	2.744	94	43460	16.724	ug/l	94
6) Chloroethane	2.909	64	36924	17.197	ug/l	93
7) Trichlorofluoromethane	3.262	101	114255	18.501	ug/l	91
8) Diethyl Ether	3.703	74	30447	17.942	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.097	101	67822	18.406	ug/l	95
10) Methyl Iodide	4.291	142	60590	15.241	ug/l	99
11) Tert butyl alcohol	5.191	59	40566m	69.988	ug/l	
12) 1,1-Dichloroethene	4.056	96	62512	18.401	ug/l	81
13) Acrolein	3.915	56	19041	70.437	ug/l	97
14) Allyl chloride	4.709	41	93020	16.963	ug/l	88
15) Acrylonitrile	5.409	53	74857	96.466	ug/l	99
16) Acetone	4.150	43	59559	92.042	ug/l #	85
17) Carbon Disulfide	4.403	76	169075	15.013	ug/l	99
18) Methyl Acetate	4.715	43	40051	22.259	ug/l	91
19) Methyl tert-butyl Ether	5.473	73	151254	19.543	ug/l	94
20) Methylene Chloride	4.956	84	86453	18.552	ug/l #	82
21) trans-1,2-Dichloroethene	5.467	96	72033	17.537	ug/l	84
22) Diisopropyl ether	6.356	45	217167	18.892	ug/l	91
23) Vinyl Acetate	6.297	43	538661	87.849	ug/l #	91
24) 1,1-Dichloroethane	6.256	63	132056	17.897	ug/l	98
25) 2-Butanone	7.203	43	89226	94.248	ug/l	93
26) 2,2-Dichloropropane	7.203	77	116212	18.468	ug/l	96
27) cis-1,2-Dichloroethene	7.203	96	83344	18.337	ug/l	91
28) Bromochloromethane	7.538	49	41542	16.342	ug/l #	73
29) Tetrahydrofuran	7.561	42	57397	93.761	ug/l	90
30) Chloroform	7.703	83	144879	18.807	ug/l	96
31) Cyclohexane	7.979	56	109802	16.819	ug/l	87
32) 1,1,1-Trichloroethane	7.897	97	123178	18.283	ug/l	97
36) 1,1-Dichloropropene	8.108	75	100985	17.933	ug/l	97
37) Ethyl Acetate	7.285	43	42588	19.146	ug/l #	92
38) Carbon Tetrachloride	8.091	117	112389	19.688	ug/l	95
39) Methylcyclohexane	9.350	83	111119	17.706	ug/l	93
40) Benzene	8.344	78	298365	18.384	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.509	41	24868	19.189	ug/l	93
42) 1,2-Dichloroethane	8.414	62	85353	18.901	ug/l	94
43) Isopropyl Acetate	8.444	43	79689	19.382	ug/l #	92
44) Trichloroethene	9.108	130	82226	18.999	ug/l	91
45) 1,2-Dichloropropane	9.379	63	76182	18.639	ug/l	96
46) Dibromomethane	9.461	93	42968	19.141	ug/l	93
47) Bromodichloromethane	9.650	83	110909	19.309	ug/l	97
48) Methyl methacrylate	9.450	41	38048	18.394	ug/l #	86
49) 1,4-Dioxane	9.450	88	9171	395.606	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	210081	98.380	ug/l	92
52) Toluene	10.397	92	195854	19.097	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	99007	19.080	ug/l	95
54) cis-1,3-Dichloropropene	10.079	75	116035	18.686	ug/l #	89
55) 1,1,2-Trichloroethane	10.791	97	61394	20.225	ug/l	99
56) Ethyl methacrylate	10.650	69	66839	19.804	ug/l #	87
57) 1,3-Dichloropropane	10.938	76	98815	19.401	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	149081	106.552	ug/l	94
59) 2-Hexanone	10.973	43	142367	101.124	ug/l	93
60) Dibromochloromethane	11.132	129	76968	20.334	ug/l	98
61) 1,2-Dibromoethane	11.238	107	57925	19.969	ug/l	100
64) Tetrachloroethene	10.867	164	67841	19.033	ug/l	96
65) Chlorobenzene	11.661	112	218033	19.530	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	81720	19.737	ug/l	96
67) Ethyl Benzene	11.738	91	364880	18.618	ug/l	97
68) m/p-Xylenes	11.844	106	293696	38.573	ug/l	99
69) o-Xylene	12.173	106	131442	18.792	ug/l	98
70) Styrene	12.185	104	239034	19.863	ug/l	96
71) Bromoform	12.349	173	44110	20.700	ug/l #	96
73) Isopropylbenzene	12.467	105	353022	17.757	ug/l	99
74) N-amyl acetate	12.279	43	75822	17.483	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.714	83	68579	18.704	ug/l	97
76) 1,2,3-Trichloropropane	12.773	75	49781m	18.193	ug/l	
77) Bromobenzene	12.749	156	88010	18.806	ug/l	91
78) n-propylbenzene	12.808	91	450506	18.050	ug/l	97
79) 2-Chlorotoluene	12.896	91	262296	18.201	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	312701	18.568	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.514	75	22370	19.627	ug/l	85
82) 4-Chlorotoluene	12.991	91	279429	18.499	ug/l	98
83) tert-Butylbenzene	13.208	119	252879	17.817	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	314338	18.894	ug/l	97
85) sec-Butylbenzene	13.385	105	403113	18.601	ug/l	98
86) p-Isopropyltoluene	13.502	119	328073	18.570	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	184503	19.559	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	181901	19.103	ug/l	99
89) n-Butylbenzene	13.826	91	308887	18.350	ug/l	99
90) Hexachloroethane	14.096	117	68333	18.693	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	157645	19.315	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.485	75	10866	19.352	ug/l	89
93) 1,2,4-Trichlorobenzene	15.143	180	92476	19.957	ug/l	98
94) Hexachlorobutadiene	15.249	225	51322	19.655	ug/l	99
95) Naphthalene	15.385	128	153529	19.173	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	81616	19.868	ug/l	97

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

