

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051722\
 Data File : VD073073.D
 Acq On : 17 May 2022 23:53
 Operator : VA/SY
 Sample : VD0517SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0517SBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/18/2022
 Supervised By : Mahesh Dadoda 05/18/2022

Quant Time: May 18 05:12:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 04:58:34 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	290116	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	505037	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	485666	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	230838	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	177700	48.978	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.960%		
35) Dibromofluoromethane	7.909	113	182920	51.586	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.180%		
50) Toluene-d8	10.332	98	677706	52.683	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	105.360%		
62) 4-Bromofluorobenzene	12.620	95	239535	51.411	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	102.820%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	68989	19.017	ug/l	99
3) Chloromethane	2.209	50	77203	20.643	ug/l	95
4) Vinyl Chloride	2.344	62	69007	20.063	ug/l	98
5) Bromomethane	2.750	94	47665	19.511	ug/l	98
6) Chloroethane	2.909	64	44967	20.994	ug/l	96
7) Trichlorofluoromethane	3.268	101	121787	19.349	ug/l	99
8) Diethyl Ether	3.715	74	33069	19.200	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.091	101	70047	18.792	ug/l	97
10) Methyl Iodide	4.297	142	77320	20.579	ug/l	99
11) Tert butyl alcohol	5.185	59	60379	107.592	ug/l #	74
12) 1,1-Dichloroethene	4.062	96	67027	19.886	ug/l	90
13) Acrolein	3.921	56	28813	92.787	ug/l	99
14) Allyl chloride	4.715	41	106156	19.879	ug/l #	94
15) Acrylonitrile	5.415	53	80089	97.021	ug/l	98
16) Acetone	4.156	43	59290	90.304	ug/l	97
17) Carbon Disulfide	4.403	76	227490	20.151	ug/l	99
18) Methyl Acetate	4.715	43	38710	20.415	ug/l #	91
19) Methyl tert-butyl Ether	5.473	73	154587	19.611	ug/l	98
20) Methylene Chloride	4.956	84	103334	21.685	ug/l #	88
21) trans-1,2-Dichloroethene	5.467	96	81831	20.410	ug/l	94
22) Diisopropyl ether	6.356	45	236127	20.600	ug/l	96
23) Vinyl Acetate	6.303	43	607406	98.092	ug/l #	95
24) 1,1-Dichloroethane	6.262	63	148186	20.781	ug/l	97
25) 2-Butanone	7.203	43	91599	92.133	ug/l	94
26) 2,2-Dichloropropane	7.203	77	112387	18.615	ug/l	96
27) cis-1,2-Dichloroethene	7.209	96	91227	20.633	ug/l	91
28) Bromochloromethane	7.544	49	44405	18.179	ug/l #	83
29) Tetrahydrofuran	7.561	42	61321	95.853	ug/l	94
30) Chloroform	7.703	83	154972	20.311	ug/l	90
31) Cyclohexane	7.979	56	123772	18.939	ug/l #	88
32) 1,1,1-Trichloroethane	7.903	97	129026	19.738	ug/l	98
36) 1,1-Dichloropropene	8.109	75	112580	19.485	ug/l	97
37) Ethyl Acetate	7.285	43	47424	19.544	ug/l #	94
38) Carbon Tetrachloride	8.091	117	112700	19.066	ug/l	100
39) Methylcyclohexane	9.350	83	117373	17.422	ug/l	98
40) Benzene	8.344	78	334425	20.243	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	25805	18.860	ug/l	92
42) 1,2-Dichloroethane	8.420	62	93459	19.436	ug/l	95
43) Isopropyl Acetate	8.450	43	84790	18.795	ug/l #	93
44) Trichloroethene	9.103	130	87218	19.518	ug/l	97
45) 1,2-Dichloropropane	9.379	63	81977	19.108	ug/l	98
46) Dibromomethane	9.467	93	46101	19.433	ug/l	98
47) Bromodichloromethane	9.656	83	116529	19.340	ug/l	95
48) Methyl methacrylate	9.450	41	39225	17.529	ug/l #	87
49) 1,4-Dioxane	9.456	88	9636	390.146	ug/l	98
51) 4-Methyl-2-Pentanone	10.220	43	218045	92.616	ug/l	95
52) Toluene	10.397	92	215337	20.531	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	102444	18.643	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	125313	19.341	ug/l	90
55) 1,1,2-Trichloroethane	10.791	97	61524	19.000	ug/l	96
56) Ethyl methacrylate	10.650	69	68918	18.820	ug/l	87
57) 1,3-Dichloropropane	10.938	76	104358	18.941	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	143680	89.795	ug/l	96
59) 2-Hexanone	10.973	43	144703	93.043	ug/l	96
60) Dibromochloromethane	11.132	129	75768	18.834	ug/l	98
61) 1,2-Dibromoethane	11.238	107	59870	19.215	ug/l	100
64) Tetrachloroethene	10.867	164	72007	20.237	ug/l	96
65) Chlorobenzene	11.661	112	224717	20.406	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	82184	19.537	ug/l	98
67) Ethyl Benzene	11.738	91	386858	20.176	ug/l	98
68) m/p-Xylenes	11.844	106	312676	42.076	ug/l	96
69) o-Xylene	12.167	106	138439	20.201	ug/l	97
70) Styrene	12.185	104	246356	20.582	ug/l	97
71) Bromoform	12.349	173	43306	19.553	ug/l #	98
73) Isopropylbenzene	12.467	105	358714	20.501	ug/l	99
74) N-amyl acetate	12.279	43	79644	19.477	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.720	83	69892	20.261	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	48069m	18.421	ug/l	
77) Bromobenzene	12.749	156	87584	20.979	ug/l	94
78) n-propylbenzene	12.808	91	462330	21.041	ug/l	99
79) 2-Chlorotoluene	12.897	91	266075	20.786	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	313534	21.034	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	20111	18.479	ug/l	88
82) 4-Chlorotoluene	12.991	91	287986	21.258	ug/l	99
83) tert-Butylbenzene	13.208	119	250503	19.840	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	320554	21.615	ug/l	100
85) sec-Butylbenzene	13.385	105	391862	20.446	ug/l	100
86) p-Isopropyltoluene	13.502	119	324152	20.793	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	179895	20.965	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	178194	21.015	ug/l	99
89) n-Butylbenzene	13.826	91	298709	19.703	ug/l	100
90) Hexachloroethane	14.096	117	66971	20.675	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	155365	20.876	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.491	75	10688	19.934	ug/l	96
93) 1,2,4-Trichlorobenzene	15.143	180	84514	19.903	ug/l	97
94) Hexachlorobutadiene	15.243	225	46666	19.689	ug/l	97
95) Naphthalene	15.379	128	144690	18.978	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	72433	19.213	ug/l	97

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

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