

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051722\
 Data File : VD073063.D
 Acq On : 17 May 2022 18:08
 Operator : VA/SY
 Sample : VD0517SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0517SBS01

Manual Integrations
 APPROVED

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

Quant Time: May 18 05:06:55 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	338694	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	591173	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	563075	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	269256	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	199175	47.024	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.040%		
35) Dibromofluoromethane	7.909	113	192197	46.305	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.600%		
50) Toluene-d8	10.332	98	738655	49.054	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.100%		
62) 4-Bromofluorobenzene	12.620	95	261170	47.887	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.780%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	76542	18.073	ug/l	93
3) Chloromethane	2.209	50	79277	18.157	ug/l	92
4) Vinyl Chloride	2.344	62	71954	17.919	ug/l	99
5) Bromomethane	2.750	94	49527	17.365	ug/l	96
6) Chloroethane	2.909	64	44273	17.705	ug/l	96
7) Trichlorofluoromethane	3.262	101	130192	17.717	ug/l	98
8) Diethyl Ether	3.703	74	36277	18.042	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.085	101	76583	17.599	ug/l	98
10) Methyl Iodide	4.297	142	79297	18.598	ug/l	98
11) Tert butyl alcohol	5.179	59	72794	111.110	ug/l #	74
12) 1,1-Dichloroethene	4.056	96	73036	18.561	ug/l	88
13) Acrolein	3.921	56	36450	99.452	ug/l	98
14) Allyl chloride	4.709	41	111367	17.864	ug/l	93
15) Acrylonitrile	5.415	53	85056	88.260	ug/l	97
16) Acetone	4.156	43	67607	88.202	ug/l	96
17) Carbon Disulfide	4.403	76	238792	18.119	ug/l	98
18) Methyl Acetate	4.715	43	40167	18.307	ug/l	93
19) Methyl tert-butyl Ether	5.473	73	166729	18.118	ug/l	97
20) Methylene Chloride	4.962	84	103515	18.607	ug/l	89
21) trans-1,2-Dichloroethene	5.468	96	85728	18.315	ug/l	91
22) Diisopropyl ether	6.356	45	248520	18.572	ug/l	97
23) Vinyl Acetate	6.303	43	663426	91.772	ug/l #	92
24) 1,1-Dichloroethane	6.262	63	147216	17.683	ug/l	98
25) 2-Butanone	7.209	43	103107	88.834	ug/l	94
26) 2,2-Dichloropropane	7.209	77	123267	17.489	ug/l	95
27) cis-1,2-Dichloroethene	7.203	96	93378	18.090	ug/l	93
28) Bromochloromethane	7.538	49	48465	16.995	ug/l #	80
29) Tetrahydrofuran	7.556	42	67883	90.891	ug/l	93
30) Chloroform	7.703	83	159097	17.861	ug/l	95
31) Cyclohexane	7.979	56	137679	18.046	ug/l #	82
32) 1,1,1-Trichloroethane	7.903	97	136817	17.928	ug/l	97
36) 1,1-Dichloropropene	8.103	75	115616	17.095	ug/l	97
37) Ethyl Acetate	7.291	43	47232	16.629	ug/l #	91
38) Carbon Tetrachloride	8.091	117	121033	17.492	ug/l	93
39) Methylcyclohexane	9.350	83	126306	16.016	ug/l	98
40) Benzene	8.344	78	340964	17.632	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.509	41	24660	15.397	ug/l #	85
42) 1,2-Dichloroethane	8.420	62	99953	17.757	ug/l	96
43) Isopropyl Acetate	8.444	43	92532	17.522	ug/l	93
44) Trichloroethene	9.103	130	91089	17.414	ug/l	90
45) 1,2-Dichloropropane	9.379	63	88618	17.646	ug/l	91
46) Dibromomethane	9.467	93	48128	17.331	ug/l	99
47) Bromodichloromethane	9.656	83	120042	17.020	ug/l #	99
48) Methyl methacrylate	9.450	41	45128	17.229	ug/l	89
49) 1,4-Dioxane	9.456	88	10154	351.218	ug/l	98
51) 4-Methyl-2-Pentanone	10.220	43	241567	87.657	ug/l	94
52) Toluene	10.397	92	223258	18.184	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	111838	17.387	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	133469	17.599	ug/l #	88
55) 1,1,2-Trichloroethane	10.791	97	63279	16.695	ug/l	95
56) Ethyl methacrylate	10.656	69	72233	16.851	ug/l #	86
57) 1,3-Dichloropropane	10.932	76	108814	16.872	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	151240	83.051	ug/l	95
59) 2-Hexanone	10.973	43	157791	86.676	ug/l	97
60) Dibromochloromethane	11.132	129	82759	17.575	ug/l	97
61) 1,2-Dibromoethane	11.238	107	63254	17.343	ug/l	97
64) Tetrachloroethene	10.867	164	74182	17.982	ug/l	94
65) Chlorobenzene	11.661	112	231457	18.129	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	85854	17.604	ug/l	98
67) Ethyl Benzene	11.732	91	406594	18.290	ug/l	99
68) m/p-Xylenes	11.844	106	321130	37.273	ug/l	99
69) o-Xylene	12.173	106	148550	18.697	ug/l	93
70) Styrene	12.185	104	256030	18.449	ug/l	97
71) Bromoform	12.350	173	45581	17.751	ug/l #	98
73) Isopropylbenzene	12.467	105	381659	18.700	ug/l	98
74) N-amyl acetate	12.273	43	85527	17.932	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.714	83	75506	18.766	ug/l	97
76) 1,2,3-Trichloropropane	12.773	75	58852m	19.335	ug/l	
77) Bromobenzene	12.750	156	90836	18.653	ug/l	94
78) n-propylbenzene	12.808	91	487797	19.032	ug/l	99
79) 2-Chlorotoluene	12.891	91	283353	18.978	ug/l	99
80) 1,3,5-Trimethylbenzene	12.950	105	329653	18.960	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	22719	17.897	ug/l	88
82) 4-Chlorotoluene	12.991	91	295581	18.705	ug/l	99
83) tert-Butylbenzene	13.208	119	265146	18.003	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	327164	18.913	ug/l	99
85) sec-Butylbenzene	13.385	105	420114	18.793	ug/l	99
86) p-Isopropyltoluene	13.502	119	343929	18.914	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	186013	18.585	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	185348	18.740	ug/l	99
89) n-Butylbenzene	13.826	91	321673	18.191	ug/l	99
90) Hexachloroethane	14.097	117	68627	18.163	ug/l	96
91) 1,2-Dichlorobenzene	13.873	146	161915	18.652	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	12243	19.576	ug/l	98
93) 1,2,4-Trichlorobenzene	15.144	180	88490	17.866	ug/l	98
94) Hexachlorobutadiene	15.249	225	51175	18.510	ug/l	96
95) Naphthalene	15.379	128	160785	18.281	ug/l	98
96) 1,2,3-Trichlorobenzene	15.573	180	81023	18.425	ug/l	99

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

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