

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050922\
 Data File : VD072887.D
 Acq On : 09 May 2022 13:35
 Operator : VA/SY
 Sample : VD0509SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/soil
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0509SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/10/2022
 Supervised By : Mahesh Dadoda 05/10/2022

Quant Time: May 09 16:11:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	298235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	496527	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	480972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	239232	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	183286	47.345	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.680%		
35) Dibromofluoromethane	7.914	113	176925	50.736	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.480%		
50) Toluene-d8	10.332	98	635214	50.781	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	101.560%		
62) 4-Bromofluorobenzene	12.620	95	244671	52.457	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	104.920%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	84013	20.386	ug/l	97
3) Chloromethane	2.209	50	82668	19.288	ug/l	96
4) Vinyl Chloride	2.344	62	78329	20.367	ug/l	97
5) Bromomethane	2.750	94	53543	21.762	ug/l	100
6) Chloroethane	2.915	64	48414	20.199	ug/l	92
7) Trichlorofluoromethane	3.273	101	143031	21.239	ug/l	98
8) Diethyl Ether	3.709	74	38434	19.907	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.085	101	84246	21.071	ug/l	98
10) Methyl Iodide	4.297	142	78198	19.489	ug/l	98
11) Tert butyl alcohol	5.185	59	68662m	204.992	ug/l	
12) 1,1-Dichloroethene	4.068	96	73018	20.304	ug/l	90
13) Acrolein	3.920	56	26199	102.737	ug/l	97
14) Allyl chloride	4.709	41	116686	20.098	ug/l	92
15) Acrylonitrile	5.415	53	92252	100.542	ug/l	97
16) Acetone	4.156	43	72621	91.376	ug/l #	89
17) Carbon Disulfide	4.409	76	214097	18.934	ug/l	95
18) Methyl Acetate	4.715	43	47903	22.605	ug/l	97
19) Methyl tert-butyl Ether	5.479	73	176569	20.481	ug/l	98
20) Methylene Chloride	4.967	84	109041	19.740	ug/l	88
21) trans-1,2-Dichloroethene	5.473	96	85438	20.716	ug/l	97
22) Diisopropyl ether	6.356	45	270579	21.186	ug/l	94
23) Vinyl Acetate	6.303	43	676374	95.867	ug/l	98
24) 1,1-Dichloroethane	6.256	63	158625	20.672	ug/l	98
25) 2-Butanone	7.209	43	111855	99.164	ug/l	94
26) 2,2-Dichloropropane	7.203	77	134639	20.755	ug/l	100
27) cis-1,2-Dichloroethene	7.203	96	94678	20.043	ug/l	95
28) Bromochloromethane	7.538	49	55622	19.438	ug/l #	83
29) Tetrahydrofuran	7.556	42	70827	98.510	ug/l	95
30) Chloroform	7.708	83	168055	20.698	ug/l	95
31) Cyclohexane	7.979	56	136934	20.234	ug/l	91
32) 1,1,1-Trichloroethane	7.897	97	143438	20.729	ug/l	98
36) 1,1-Dichloropropene	8.108	75	123420	21.766	ug/l	97
37) Ethyl Acetate	7.285	43	51167	19.630	ug/l #	92
38) Carbon Tetrachloride	8.091	117	127141	21.601	ug/l	97
39) Methylcyclohexane	9.350	83	137828	20.956	ug/l	94
40) Benzene	8.344	78	344922	21.064	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	31897	20.551	ug/l	91
42) 1,2-Dichloroethane	8.414	62	102607	20.794	ug/l	97
43) Isopropyl Acetate	8.444	43	97352	20.235	ug/l #	93
44) Trichloroethene	9.108	130	91787	20.952	ug/l	97
45) 1,2-Dichloropropane	9.379	63	89521	20.817	ug/l	92
46) Dibromomethane	9.467	93	49230	20.754	ug/l	98
47) Bromodichloromethane	9.655	83	125793	20.614	ug/l	100
48) Methyl methacrylate	9.450	41	50765	21.569	ug/l	92
49) 1,4-Dioxane	9.455	88	11176	418.385	ug/l	98
51) 4-Methyl-2-Pentanone	10.220	43	255219	102.088	ug/l	95
52) Toluene	10.397	92	224962	22.024	ug/l	97
53) t-1,3-Dichloropropene	10.608	75	116915	20.858	ug/l	95
54) cis-1,3-Dichloropropene	10.079	75	140157	21.523	ug/l	93
55) 1,1,2-Trichloroethane	10.791	97	66978	20.886	ug/l	97
56) Ethyl methacrylate	10.655	69	75813	20.079	ug/l #	88
57) 1,3-Dichloropropane	10.938	76	117841	21.414	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.932	63	168017	91.782	ug/l	96
59) 2-Hexanone	10.973	43	170321	101.248	ug/l	98
60) Dibromochloromethane	11.132	129	82407	20.414	ug/l	98
61) 1,2-Dibromoethane	11.232	107	63086	20.212	ug/l	94
64) Tetrachloroethene	10.867	164	73871	21.007	ug/l	93
65) Chlorobenzene	11.661	112	235663	21.184	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	89020	21.293	ug/l	98
67) Ethyl Benzene	11.738	91	415423	21.578	ug/l	98
68) m/p-Xylenes	11.844	106	329897	44.484	ug/l	100
69) o-Xylene	12.167	106	147757	21.333	ug/l	98
70) Styrene	12.185	104	261297	21.774	ug/l	99
71) Bromoform	12.349	173	47987	21.179	ug/l #	100
73) Isopropylbenzene	12.467	105	405403	21.781	ug/l	99
74) N-amyl acetate	12.279	43	92308	19.915	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.714	83	79712	21.216	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	56797m	21.291	ug/l	
77) Bromobenzene	12.749	156	95248	21.550	ug/l	91
78) n-propylbenzene	12.808	91	512129	21.831	ug/l	100
79) 2-Chlorotoluene	12.896	91	288777	21.073	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	351436	22.267	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	23355	20.133	ug/l	94
82) 4-Chlorotoluene	12.991	91	306994	21.441	ug/l	98
83) tert-Butylbenzene	13.208	119	284650	21.214	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	339087	21.494	ug/l	100
85) sec-Butylbenzene	13.385	105	447824	22.129	ug/l	100
86) p-Isopropyltoluene	13.502	119	367785	22.166	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	191216	21.476	ug/l	98
88) 1,4-Dichlorobenzene	13.579	146	188688	21.280	ug/l	99
89) n-Butylbenzene	13.826	91	350957	21.835	ug/l	100
90) Hexachloroethane	14.091	117	72843	21.430	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	164971	21.260	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.485	75	12646	21.232	ug/l	98
93) 1,2,4-Trichlorobenzene	15.143	180	96422	20.981	ug/l	99
94) Hexachlorobutadiene	15.249	225	52455	20.900	ug/l	98
95) Naphthalene	15.379	128	171478	20.295	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	84150	20.656	ug/l	99

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

