

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101921\
 Data File : VD070764.D
 Acq On : 19 Oct 2021 17:51
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 20 04:42:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:32:03 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	392634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	674840	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	654506	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	320536	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	246098	52.92	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.84%	
35) Dibromofluoromethane	7.909	113	222491	51.49	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.98%	
50) Toluene-d8	10.332	98	857413	51.76	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.52%	
62) 4-Bromofluorobenzene	12.620	95	307290	53.88	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 107.76%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.985	85	197697	43.07	ug/l 99
3) Chloromethane	2.209	50	331347	48.65	ug/l 98
4) Vinyl Chloride	2.344	62	320506	45.92	ug/l 99
5) Bromomethane	2.762	94	200783	47.17	ug/l 99
6) Chloroethane	2.921	64	210000	47.77	ug/l 94
7) Trichlorofluoromethane	3.268	101	350945	44.47	ug/l 98
8) Diethyl Ether	3.709	74	114799	54.60	ug/l 80
9) 1,1,2-Trichlorotrifluo...	4.097	101	210592	44.62	ug/l 98
10) Methyl Iodide	4.297	142	224666	46.16	ug/l 100
11) Tert butyl alcohol	5.220	59	59760	229.55	ug/l # 85
12) 1,1-Dichloroethene	4.068	96	200966	47.09	ug/l 95
13) Acrolein	3.920	56	72682	288.45	ug/l 96
14) Allyl chloride	4.709	41	408094	50.52	ug/l # 92
15) Acrylonitrile	5.420	53	290233	262.17	ug/l 99
16) Acetone	4.150	43	233394	208.08	ug/l 89
17) Carbon Disulfide	4.409	76	758481	48.77	ug/l 100
18) Methyl Acetate	4.715	43	197430	50.64	ug/l # 87
19) Methyl tert-butyl Ether	5.473	73	510775	55.36	ug/l 98
20) Methylene Chloride	4.962	84	293710	52.39	ug/l # 90
21) trans-1,2-Dichloroethene	5.467	96	253176	51.71	ug/l 92
22) Diisopropyl ether	6.362	45	874967	55.63	ug/l # 95
23) Vinyl Acetate	6.303	43	1985008	238.93	ug/l # 92
24) 1,1-Dichloroethane	6.256	63	500151	51.04	ug/l 97
25) 2-Butanone	7.209	43	337289	243.41	ug/l # 86
26) 2,2-Dichloropropane	7.203	77	360432	46.51	ug/l 99
27) cis-1,2-Dichloroethene	7.209	96	279273	53.19	ug/l 91
28) Bromochloromethane	7.544	49	199091	51.11	ug/l 87
29) Tetrahydrofuran	7.556	42	226888	267.47	ug/l # 86
30) Chloroform	7.709	83	486563	50.83	ug/l 98
31) Cyclohexane	7.979	56	408252	43.39	ug/l 89
32) 1,1,1-Trichloroethane	7.897	97	394570	48.58	ug/l 97
36) 1,1-Dichloropropene	8.108	75	360304	47.93	ug/l 98
37) Ethyl Acetate	7.285	43	157564	50.59	ug/l 94
38) Carbon Tetrachloride	8.091	117	330409	45.89	ug/l 99
39) Methylcyclohexane	9.350	83	383999	45.29	ug/l # 87
40) Benzene	8.350	78	1085175	50.12	ug/l 99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	90972	46.46	ug/l #	85
42) 1,2-Dichloroethane	8.420	62	305023	49.64	ug/l	97
43) Isopropyl Acetate	8.450	43	292985	49.31	ug/l	95
44) Trichloroethene	9.108	130	252660	49.69	ug/l	99
45) 1,2-Dichloropropane	9.379	63	293636	51.33	ug/l	100
46) Dibromomethane	9.467	93	133749	48.82	ug/l	94
47) Bromodichloromethane	9.655	83	365906	50.35	ug/l	99
48) Methyl methacrylate	9.450	41	141676	48.68	ug/l	90
49) 1,4-Dioxane	9.455	88	29525	1003.75	ug/l #	92
51) 4-Methyl-2-Pentanone	10.220	43	804948	257.05	ug/l	90
52) Toluene	10.397	92	670865	52.04	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	319836	49.27	ug/l	100
54) cis-1,3-Dichloropropene	10.085	75	388647	50.02	ug/l #	89
55) 1,1,2-Trichloroethane	10.791	97	187378	49.80	ug/l	96
56) Ethyl methacrylate	10.655	69	238842	46.94	ug/l #	82
57) 1,3-Dichloropropane	10.938	76	341276	51.13	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	500142	252.39	ug/l	95
59) 2-Hexanone	10.979	43	546665	248.01	ug/l	89
60) Dibromochloromethane	11.132	129	219666	50.80	ug/l	98
61) 1,2-Dibromoethane	11.238	107	170302	49.47	ug/l	97
64) Tetrachloroethene	10.867	164	207288	47.13	ug/l	91
65) Chlorobenzene	11.661	112	662078	49.32	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	248731	50.08	ug/l	100
67) Ethyl Benzene	11.738	91	1251876	51.01	ug/l	98
68) m/p-Xylenes	11.844	106	947722	101.93	ug/l	95
69) o-Xylene	12.173	106	435436	51.62	ug/l	95
70) Styrene	12.185	104	788043	53.75	ug/l	98
71) Bromoform	12.349	173	126639	49.10	ug/l #	99
73) Isopropylbenzene	12.473	105	1122002	49.13	ug/l	100
74) N-amyl acetate	12.279	43	291950	49.10	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.720	83	215976	47.80	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	167420m	60.46	ug/l	
77) Bromobenzene	12.749	156	257118	49.73	ug/l	100
78) n-propylbenzene	12.808	91	1454718	49.00	ug/l	99
79) 2-Chlorotoluene	12.896	91	864653	50.40	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	985101	51.02	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.514	75	57186	45.23	ug/l #	84
82) 4-Chlorotoluene	12.996	91	908197	50.04	ug/l	98
83) tert-Butylbenzene	13.214	119	784320	49.16	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	996325	51.90	ug/l	100
85) sec-Butylbenzene	13.391	105	1204607	48.04	ug/l	99
86) p-Isopropyltoluene	13.502	119	989069	49.06	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	531847	48.98	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	518213	48.33	ug/l	98
89) n-Butylbenzene	13.832	91	975040	47.93	ug/l	98
90) Hexachloroethane	14.096	117	198443	45.62	ug/l	89
91) 1,2-Dichlorobenzene	13.879	146	456357	49.18	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.491	75	31768	44.09	ug/l	96
93) 1,2,4-Trichlorobenzene	15.143	180	266487	50.20	ug/l	98
94) Hexachlorobutadiene	15.249	225	155184	44.58	ug/l	99
95) Naphthalene	15.385	128	466918	45.48	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	235477	49.93	ug/l	97

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

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