

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040121\
 Data File : VD068771.D
 Acq On : 01 Apr 2021 21:12
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/2/2021 6:17:04 PM

Quant Time: Apr 02 01:07:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 20 02:00:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	254986	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	449010	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	440634	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	214219	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	144287	56.12	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.24%			
35) Dibromofluoromethane	7.914	113	149512	53.52	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.04%			
50) Toluene-d8	10.338	98	560741	52.06	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.12%			
62) 4-Bromofluorobenzene	12.626	95	191726	54.90	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 109.80%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	88595	44.45	ug/l	99
3) Chloromethane	2.209	50	116125	47.29	ug/l	99
4) Vinyl Chloride	2.350	62	136404	46.99	ug/l	99
5) Bromomethane	2.762	94	103437	48.23	ug/l	93
6) Chloroethane	2.915	64	97177	51.11	ug/l	95
7) Trichlorofluoromethane	3.268	101	163737	47.32	ug/l	91
8) Diethyl Ether	3.715	74	53244	55.65	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.091	101	101342	48.95	ug/l	97
10) Methyl Iodide	4.297	142	109021	45.09	ug/l	98
11) Tert butyl alcohol	5.226	59	35907	303.07	ug/l	99
12) 1,1-Dichloroethene	4.062	96	100256	49.74	ug/l	96
13) Acrolein	3.920	56	19501	195.13	ug/l	99
14) Allyl chloride	4.715	41	130197	53.17	ug/l	98
15) Acrylonitrile	5.426	53	137367	294.97	ug/l	97
16) Acetone	4.168	43	85216	273.18	ug/l	100
17) Carbon Disulfide	4.409	76	318820	49.27	ug/l	100
18) Methyl Acetate	4.720	43	62536	72.93	ug/l	97
19) Methyl tert-butyl Ether	5.479	73	293460	57.81	ug/l	98
20) Methylene Chloride	4.967	84	153766	58.50	ug/l	97
21) trans-1,2-Dichloroethene	5.473	96	141552	50.51	ug/l	94
22) Diisopropyl ether	6.367	45	336221	54.02	ug/l	97
23) Vinyl Acetate	6.309	43	902322	272.89	ug/l	98
24) 1,1-Dichloroethane	6.267	63	231515	50.72	ug/l	99
25) 2-Butanone	7.214	43	129834	251.19	ug/l	100
26) 2,2-Dichloropropane	7.209	77	168167	41.41	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	149127	47.76	ug/l	98
28) Bromochloromethane	7.550	49	101918	56.47	ug/l	95
29) Tetrahydrofuran	7.561	42	91752	280.83	ug/l	94
30) Chloroform	7.708	83	232603	46.89	ug/l	95
31) Cyclohexane	7.991	56	171307	41.29	ug/l	95
32) 1,1,1-Trichloroethane	7.903	97	216548	48.90	ug/l	99
36) 1,1-Dichloropropene	8.114	75	183057	45.65	ug/l	100
37) Ethyl Acetate	7.291	43	63103	49.86	ug/l	99
38) Carbon Tetrachloride	8.097	117	185327	46.31	ug/l	97
39) Methylcyclohexane	9.355	83	205410	41.50	ug/l	95
40) Benzene	8.350	78	569793	48.70	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	35836	48.38	ug/l #	86
42) 1,2-Dichloroethane	8.426	62	159933	52.24	ug/l	98
43) Isopropyl Acetate	8.456	43	136039	56.04	ug/l	97
44) Trichloroethene	9.108	130	155720	47.96	ug/l	96
45) 1,2-Dichloropropane	9.391	63	142228	50.81	ug/l	96
46) Dibromomethane	9.473	93	85069	53.44	ug/l	100
47) Bromodichloromethane	9.661	83	209512	51.31	ug/l	99
48) Methyl methacrylate	9.455	41	62341	50.67	ug/l	88
49) 1,4-Dioxane	9.461	88	20765	1173.96	ug/l	95
51) 4-Methyl-2-Pentanone	10.226	43	357109	282.57	ug/l	98
52) Toluene	10.402	92	366645	49.52	ug/l	100
53) t-1,3-Dichloropropene	10.620	75	191938	51.10	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	223603	50.13	ug/l	99
55) 1,1,2-Trichloroethane	10.802	97	117981	52.69	ug/l	99
56) Ethyl methacrylate	10.661	69	135008	55.80	ug/l	98
57) 1,3-Dichloropropane	10.944	76	196539	53.79	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.944	63	337603	273.88	ug/l	100
59) 2-Hexanone	10.985	43	240589	283.52	ug/l	99
60) Dibromochloromethane	11.138	129	149109	53.69	ug/l	99
61) 1,2-Dibromoethane	11.244	107	116199	53.76	ug/l	99
64) Tetrachloroethene	10.873	164	124023	43.42	ug/l	96
65) Chlorobenzene	11.667	112	406694	46.90	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	146523	46.96	ug/l	100
67) Ethyl Benzene	11.738	91	675024	44.62	ug/l	98
68) m/p-Xylenes	11.849	106	555107	94.18	ug/l	99
69) o-Xylene	12.179	106	257511	47.14	ug/l	99
70) Styrene	12.191	104	462260	49.24	ug/l	99
71) Bromoform	12.355	173	84594	51.41	ug/l #	98
73) Isopropylbenzene	12.479	105	664528	45.15	ug/l	99
74) N-amyl acetate	12.285	43	126205	51.44	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.726	83	136217	52.38	ug/l	100
76) 1,2,3-Trichloropropane	12.779	75	84103m	47.17	ug/l	
77) Bromobenzene	12.755	156	171176	49.58	ug/l	99
78) n-propylbenzene	12.814	91	798187	45.55	ug/l	100
79) 2-Chlorotoluene	12.902	91	458629	47.96	ug/l	99
80) 1,3,5-Trimethylbenzene	12.955	105	576562	48.44	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.526	75	40144	51.22	ug/l	99
82) 4-Chlorotoluene	13.002	91	489368	47.90	ug/l	98
83) tert-Butylbenzene	13.220	119	471470	46.48	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	587185	47.75	ug/l	98
85) sec-Butylbenzene	13.396	105	650126	44.08	ug/l	98
86) p-Isopropyltoluene	13.514	119	616327	45.92	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	324843	47.18	ug/l	99
88) 1,4-Dichlorobenzene	13.591	146	317609	46.93	ug/l	99
89) n-Butylbenzene	13.838	91	570967	44.82	ug/l	98
90) Hexachloroethane	14.102	117	116714	48.34	ug/l	99
91) 1,2-Dichlorobenzene	13.885	146	284199	48.59	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	19814	53.25	ug/l	97
93) 1,2,4-Trichlorobenzene	15.155	180	181932	47.87	ug/l	98
94) Hexachlorobutadiene	15.261	225	95001	43.78	ug/l	97
95) Naphthalene	15.396	128	351042	52.76	ug/l	99
96) 1,2,3-Trichlorobenzene	15.590	180	158955	49.12	ug/l	99

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

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