

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041521\
 Data File : VD068867.D
 Acq On : 15 Apr 2021 20:29
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/16/2021 1:06:47 PM

Quant Time: Apr 16 01:11:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 08 03:50:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	177430	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	308511	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	296937	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	151033	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	92500	49.33	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.66%		
35) Dibromofluoromethane	7.914	113	102750	51.20	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.40%		
50) Toluene-d8	10.338	98	374420	49.46	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.92%		
62) 4-Bromofluorobenzene	12.632	95	124680	49.59	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.18%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	67531	38.41	ug/l	93
3) Chloromethane	2.209	50	89827	43.46	ug/l	99
4) Vinyl Chloride	2.350	62	109830	42.30	ug/l	96
5) Bromomethane	2.762	94	87213	44.93	ug/l	98
6) Chloroethane	2.921	64	76728	44.97	ug/l	93
7) Trichlorofluoromethane	3.274	101	136908	44.81	ug/l	95
8) Diethyl Ether	3.715	74	43139	52.28	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.097	101	82303	44.64	ug/l	98
10) Methyl Iodide	4.303	142	84413	39.61	ug/l	97
11) Tert butyl alcohol	5.232	59	25321	254.97	ug/l #	86
12) 1,1-Dichloroethene	4.062	96	81021	45.62	ug/l	96
13) Acrolein	3.926	56	15627	211.73	ug/l	98
14) Allyl chloride	4.715	41	89105	44.52	ug/l	96
15) Acrylonitrile	5.415	53	86642	233.97	ug/l	98
16) Acetone	4.162	43	57873	222.87	ug/l	95
17) Carbon Disulfide	4.409	76	251147	43.69	ug/l	98
18) Methyl Acetate	4.715	43	35365	49.58	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	201591	51.16	ug/l	97
20) Methylene Chloride	4.962	84	105719	50.29	ug/l	93
21) trans-1,2-Dichloroethene	5.473	96	105044	46.06	ug/l	98
22) Diisopropyl ether	6.367	45	221262	45.62	ug/l	96
23) Vinyl Acetate	6.303	43	619937	241.21	ug/l	97
24) 1,1-Dichloroethane	6.262	63	163688	44.77	ug/l	97
25) 2-Butanone	7.215	43	86958	236.65	ug/l	97
26) 2,2-Dichloropropane	7.209	77	120585	40.37	ug/l	99
27) cis-1,2-Dichloroethene	7.215	96	112013	49.42	ug/l	96
28) Bromochloromethane	7.550	49	63340	47.99	ug/l	89
29) Tetrahydrofuran	7.562	42	60093	243.18	ug/l	94
30) Chloroform	7.709	83	184965	46.21	ug/l	93
31) Cyclohexane	7.985	56	119478	38.29	ug/l	95
32) 1,1,1-Trichloroethane	7.909	97	157776	45.11	ug/l	98
36) 1,1-Dichloropropene	8.114	75	133331	42.70	ug/l	99
37) Ethyl Acetate	7.297	43	43889	47.85	ug/l	98
38) Carbon Tetrachloride	8.097	117	137924	44.61	ug/l	98
39) Methylcyclohexane	9.356	83	144392	39.65	ug/l	96
40) Benzene	8.350	78	412562	45.15	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	24593	45.29	ug/l #	64
42) 1,2-Dichloroethane	8.426	62	114516	47.41	ug/l	100
43) Isopropyl Acetate	8.450	43	86891	46.47	ug/l	97
44) Trichloroethene	9.114	130	114640	45.42	ug/l	94
45) 1,2-Dichloropropane	9.385	63	99674	45.67	ug/l	95
46) Dibromomethane	9.473	93	59871	49.24	ug/l	94
47) Bromodichloromethane	9.661	83	150944	47.52	ug/l	99
48) Methyl methacrylate	9.456	41	41454	44.99	ug/l #	85
49) 1,4-Dioxane	9.456	88	13872	1077.62	ug/l	90
51) 4-Methyl-2-Pentanone	10.226	43	227961	241.88	ug/l	99
52) Toluene	10.403	92	272331	47.07	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	130558	46.37	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	157182	46.67	ug/l	98
55) 1,1,2-Trichloroethane	10.797	97	84562	49.19	ug/l	98
56) Ethyl methacrylate	10.661	69	91464	51.68	ug/l	98
57) 1,3-Dichloropropane	10.944	76	134805	47.62	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	221420	236.03	ug/l	98
59) 2-Hexanone	10.985	43	155788	247.04	ug/l	96
60) Dibromochloromethane	11.138	129	106113	49.23	ug/l	99
61) 1,2-Dibromoethane	11.244	107	82713	49.50	ug/l	98
64) Tetrachloroethene	10.873	164	94095	45.21	ug/l	95
65) Chlorobenzene	11.667	112	303581	47.23	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	107858	46.67	ug/l	98
67) Ethyl Benzene	11.744	91	494797	44.45	ug/l	98
68) m/p-Xylenes	11.850	106	405532	94.42	ug/l	98
69) o-Xylene	12.179	106	182377	46.70	ug/l	98
70) Styrene	12.191	104	328590	48.28	ug/l	99
71) Bromoform	12.355	173	62484	50.47	ug/l #	99
73) Isopropylbenzene	12.479	105	489741	44.41	ug/l	100
74) N-amyl acetate	12.285	43	85496	45.72	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.726	83	91607	44.44	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	58758m	42.58	ug/l	
77) Bromobenzene	12.755	156	123679	46.65	ug/l	96
78) n-propylbenzene	12.814	91	580666	43.35	ug/l	99
79) 2-Chlorotoluene	12.902	91	329118	43.99	ug/l	97
80) 1,3,5-Trimethylbenzene	12.955	105	415637	45.08	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.526	75	25006	42.06	ug/l	96
82) 4-Chlorotoluene	13.002	91	343587	43.32	ug/l	95
83) tert-Butylbenzene	13.220	119	343635	43.92	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	423291	45.46	ug/l	100
85) sec-Butylbenzene	13.397	105	477356	43.24	ug/l	100
86) p-Isopropyltoluene	13.514	119	443925	44.03	ug/l	100
87) 1,3-Dichlorobenzene	13.514	146	234716	44.69	ug/l	99
88) 1,4-Dichlorobenzene	13.591	146	231323	44.50	ug/l	99
89) n-Butylbenzene	13.838	91	396655	41.77	ug/l	99
90) Hexachloroethane	14.108	117	87965	43.80	ug/l	95
91) 1,2-Dichlorobenzene	13.885	146	206736	45.49	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.502	75	12959	41.36	ug/l	93
93) 1,2,4-Trichlorobenzene	15.155	180	129400	46.01	ug/l	99
94) Hexachlorobutadiene	15.261	225	69506	43.17	ug/l	97
95) Naphthalene	15.396	128	241388	49.27	ug/l	99
96) 1,2,3-Trichlorobenzene	15.591	180	116648	47.42	ug/l	97

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

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