

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042921\
 Data File : VD069034.D
 Acq On : 29 Apr 2021 22:41
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/30/2021 11:02:48 AM

Quant Time: Apr 30 02:59:12 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	238457	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	387794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	381024	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	193348	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	120333	47.75	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.50%		
35) Dibromofluoromethane	7.914	113	140694	55.78	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	111.56%		
50) Toluene-d8	10.338	98	496832	52.21	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	104.42%		
62) 4-Bromofluorobenzene	12.632	95	168666	53.37	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	106.74%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	98769	41.80	ug/l	99
3) Chloromethane	2.209	50	120603	43.42	ug/l	97
4) Vinyl Chloride	2.350	62	163780	46.93	ug/l	97
5) Bromomethane	2.762	94	139902	53.63	ug/l	100
6) Chloroethane	2.920	64	128963	56.24	ug/l	100
7) Trichlorofluoromethane	3.273	101	212917	51.85	ug/l	100
8) Diethyl Ether	3.715	74	63672	57.42	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.091	101	127502	51.45	ug/l	96
10) Methyl Iodide	4.303	142	131635	45.60	ug/l	99
11) Tert butyl alcohol	5.220	59	38273	290.98	ug/l #	89
12) 1,1-Dichloroethene	4.067	96	120281	50.39	ug/l	93
13) Acrolein	3.926	56	16841	169.78	ug/l	91
14) Allyl chloride	4.714	41	124233	46.18	ug/l	93
15) Acrylonitrile	5.426	53	131681	264.59	ug/l	99
16) Acetone	4.156	43	86049	246.57	ug/l	99
17) Carbon Disulfide	4.409	76	339829	43.99	ug/l	100
18) Methyl Acetate	4.720	43	51567	53.79	ug/l	94
19) Methyl tert-butyl Ether	5.485	73	292662	55.26	ug/l	96
20) Methylene Chloride	4.967	84	182959	66.29	ug/l	91
21) trans-1,2-Dichloroethene	5.467	96	151370	49.39	ug/l	98
22) Diisopropyl ether	6.367	45	312880	48.01	ug/l	94
23) Vinyl Acetate	6.303	43	871708	252.37	ug/l	98
24) 1,1-Dichloroethane	6.261	63	238432	48.52	ug/l	99
25) 2-Butanone	7.214	43	131871	267.03	ug/l	96
26) 2,2-Dichloropropane	7.208	77	204933	51.05	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	173915	57.09	ug/l	95
28) Bromochloromethane	7.550	49	82776	46.67	ug/l	84
29) Tetrahydrofuran	7.567	42	85964	258.84	ug/l	90
30) Chloroform	7.708	83	275393	51.20	ug/l	100
31) Cyclohexane	7.985	56	166858	39.79	ug/l	96
32) 1,1,1-Trichloroethane	7.908	97	241124	51.30	ug/l	98
36) 1,1-Dichloropropene	8.108	75	190938	48.64	ug/l	98
37) Ethyl Acetate	7.291	43	67323	58.39	ug/l	98
38) Carbon Tetrachloride	8.097	117	208145	53.56	ug/l	98
39) Methylcyclohexane	9.355	83	221150	48.31	ug/l	98
40) Benzene	8.350	78	591557	51.50	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	41705	61.10	ug/l	94
42) 1,2-Dichloroethane	8.426	62	162023	53.36	ug/l	100
43) Isopropyl Acetate	8.455	43	125314	53.32	ug/l	98
44) Trichloroethene	9.114	130	173866	54.80	ug/l	93
45) 1,2-Dichloropropane	9.391	63	142513	51.94	ug/l	94
46) Dibromomethane	9.479	93	91252	59.71	ug/l	95
47) Bromodichloromethane	9.661	83	223783	56.05	ug/l	100
48) Methyl methacrylate	9.455	41	58094	50.16	ug/l #	80
49) 1,4-Dioxane	9.461	88	21240	1312.66	ug/l #	88
51) 4-Methyl-2-Pentanone	10.226	43	338536	285.77	ug/l	99
52) Toluene	10.402	92	398545	54.80	ug/l	100
53) t-1,3-Dichloropropene	10.620	75	195774	55.32	ug/l	98
54) cis-1,3-Dichloropropene	10.091	75	229778	54.28	ug/l	96
55) 1,1,2-Trichloroethane	10.796	97	128881	59.64	ug/l	97
56) Ethyl methacrylate	10.661	69	133664	60.09	ug/l	96
57) 1,3-Dichloropropane	10.944	76	200317	56.29	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	317397	266.78	ug/l	95
59) 2-Hexanone	10.985	43	229453	289.47	ug/l	97
60) Dibromochloromethane	11.138	129	165627	61.13	ug/l	99
61) 1,2-Dibromoethane	11.244	107	122680	58.41	ug/l	98
64) Tetrachloroethene	10.873	164	146286	54.77	ug/l	97
65) Chlorobenzene	11.667	112	452080	54.81	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	173293	58.44	ug/l	99
67) Ethyl Benzene	11.743	91	768935	53.84	ug/l	98
68) m/p-Xylenes	11.849	106	604846	109.75	ug/l	97
69) o-Xylene	12.179	106	285440	56.96	ug/l	95
70) Styrene	12.191	104	493370	56.49	ug/l	100
71) Bromoform	12.355	173	94783	59.66	ug/l #	95
73) Isopropylbenzene	12.479	105	737894	52.27	ug/l	99
74) N-amyl acetate	12.285	43	121852	50.90	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.726	83	140240	53.15	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	107548m	60.89	ug/l	
77) Bromobenzene	12.755	156	187562	55.26	ug/l	92
78) n-propylbenzene	12.820	91	878018	51.20	ug/l	98
79) 2-Chlorotoluene	12.902	91	490398	51.20	ug/l	96
80) 1,3,5-Trimethylbenzene	12.955	105	623813	52.85	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.526	75	39553	51.97	ug/l	98
82) 4-Chlorotoluene	13.002	91	516215	50.84	ug/l	95
83) tert-Butylbenzene	13.220	119	524319	52.35	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	636612	53.41	ug/l	98
85) sec-Butylbenzene	13.396	105	737303	52.17	ug/l	100
86) p-Isopropyltoluene	13.508	119	691581	53.58	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	364353	54.19	ug/l	98
88) 1,4-Dichlorobenzene	13.590	146	360072	54.11	ug/l	98
89) n-Butylbenzene	13.837	91	611657	50.31	ug/l	99
90) Hexachloroethane	14.102	117	133838	52.06	ug/l	92
91) 1,2-Dichlorobenzene	13.885	146	324060	55.69	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.502	75	20995	52.34	ug/l	98
93) 1,2,4-Trichlorobenzene	15.155	180	201993	56.10	ug/l	98
94) Hexachlorobutadiene	15.261	225	115900	56.23	ug/l	97
95) Naphthalene	15.396	128	378644	60.38	ug/l	99
96) 1,2,3-Trichlorobenzene	15.584	180	185347	58.86	ug/l	98

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

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