

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052421\
 Data File : VD069264.D
 Acq On : 24 May 2021 19:11
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/25/2021 5:57:57 PM

Quant Time: May 25 00:58:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 13 04:01:29 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	248749	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	414662	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	405555	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	208490	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	132872	53.28	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.56%			
35) Dibromofluoromethane	7.914	113	141459	52.42	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.84%			
50) Toluene-d8	10.338	98	498586	50.28	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.56%			
62) 4-Bromofluorobenzene	12.626	95	171905	53.88	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.76%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	112784	42.65	ug/l	99
3) Chloromethane	2.209	50	158372	52.10	ug/l	98
4) Vinyl Chloride	2.344	62	194466	48.54	ug/l	99
5) Bromomethane	2.762	94	141115	46.82	ug/l	100
6) Chloroethane	2.914	64	143650	55.74	ug/l	97
7) Trichlorofluoromethane	3.267	101	243021	49.72	ug/l	100
8) Diethyl Ether	3.709	74	65575	58.77	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.091	101	135478	48.91	ug/l	97
10) Methyl Iodide	4.303	142	115407	40.22	ug/l	99
11) Tert butyl alcohol	5.220	59	38451	305.21	ug/l	97
12) 1,1-Dichloroethene	4.073	96	117429	47.19	ug/l	97
13) Acrolein	3.920	56	45862	226.04	ug/l	99
14) Allyl chloride	4.714	41	141452	51.81	ug/l	97
15) Acrylonitrile	5.426	53	125136	300.48	ug/l	98
16) Acetone	4.156	43	97272	254.69	ug/l	100
17) Carbon Disulfide	4.403	76	383354	46.47	ug/l	96
18) Methyl Acetate	4.714	43	59008	63.59	ug/l	98
19) Methyl tert-butyl Ether	5.485	73	265257	58.73	ug/l	97
20) Methylene Chloride	4.961	84	179096	59.33	ug/l	93
21) trans-1,2-Dichloroethene	5.467	96	151336	51.29	ug/l	98
22) Diisopropyl ether	6.367	45	319739	58.64	ug/l	95
23) Vinyl Acetate	6.308	43	977112	303.66	ug/l	99
24) 1,1-Dichloroethane	6.261	63	251519	53.40	ug/l	99
25) 2-Butanone	7.208	43	152389	294.45	ug/l	91
26) 2,2-Dichloropropane	7.208	77	208033	47.23	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	168229	52.51	ug/l	99
28) Bromochloromethane	7.544	49	93274	55.55	ug/l	100
29) Tetrahydrofuran	7.567	42	91348	324.70	ug/l	96
30) Chloroform	7.708	83	285934	53.92	ug/l	95
31) Cyclohexane	7.985	56	166522	45.06	ug/l	94
32) 1,1,1-Trichloroethane	7.902	97	247910	51.52	ug/l	99
36) 1,1-Dichloropropene	8.114	75	204040	50.61	ug/l	98
37) Ethyl Acetate	7.291	43	75387	58.20	ug/l	97
38) Carbon Tetrachloride	8.097	117	215120	47.73	ug/l	98
39) Methylcyclohexane	9.355	83	199566	46.93	ug/l	96
40) Benzene	8.349	78	601939	52.12	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	37279m	54.07	ug/l	
42) 1,2-Dichloroethane	8.426	62	173362	54.98	ug/l	99
43) Isopropyl Acetate	8.449	43	140564	59.76	ug/l	99
44) Trichloroethene	9.114	130	162116	50.23	ug/l	93
45) 1,2-Dichloropropane	9.385	63	151941	55.74	ug/l	95
46) Dibromomethane	9.473	93	91299	56.03	ug/l	99
47) Bromodichloromethane	9.661	83	227460	54.86	ug/l	98
48) Methyl methacrylate	9.455	41	61874	56.89	ug/l	90
49) 1,4-Dioxane	9.455	88	19931	1257.58	ug/l #	87
51) 4-Methyl-2-Pentanone	10.226	43	384688	317.89	ug/l	100
52) Toluene	10.402	92	395541	53.07	ug/l	98
53) t-1,3-Dichloropropene	10.620	75	199886	54.86	ug/l	96
54) cis-1,3-Dichloropropene	10.091	75	228437	52.45	ug/l	100
55) 1,1,2-Trichloroethane	10.796	97	123184	56.09	ug/l	99
56) Ethyl methacrylate	10.661	69	133704	55.66	ug/l	96
57) 1,3-Dichloropropane	10.943	76	204651	57.66	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	338008	310.91	ug/l	98
59) 2-Hexanone	10.985	43	256142	317.19	ug/l	98
60) Dibromochloromethane	11.138	129	161353	57.21	ug/l	99
61) 1,2-Dibromoethane	11.243	107	121264	55.87	ug/l	97
64) Tetrachloroethene	10.873	164	131090	46.51	ug/l	94
65) Chlorobenzene	11.667	112	430514	51.22	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	164845	52.00	ug/l	99
67) Ethyl Benzene	11.743	91	756212	52.28	ug/l	98
68) m/p-Xylenes	11.849	106	591270	104.30	ug/l	100
69) o-Xylene	12.179	106	273470	54.25	ug/l	100
70) Styrene	12.190	104	487585	55.40	ug/l	99
71) Bromoform	12.355	173	93735	56.85	ug/l #	98
73) Isopropylbenzene	12.479	105	710009	48.72	ug/l	99
74) N-amyl acetate	12.285	43	135324	56.78	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.726	83	144049	54.55	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	87882m	56.07	ug/l	
77) Bromobenzene	12.755	156	178212	51.54	ug/l	99
78) n-propylbenzene	12.814	91	866486	49.28	ug/l	100
79) 2-Chlorotoluene	12.902	91	485575	49.64	ug/l	100
80) 1,3,5-Trimethylbenzene	12.955	105	614121	51.12	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.526	75	41823	53.90	ug/l	93
82) 4-Chlorotoluene	13.002	91	516245	49.53	ug/l	99
83) tert-Butylbenzene	13.220	119	494856	49.43	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	619607	51.26	ug/l	99
85) sec-Butylbenzene	13.396	105	725210	48.17	ug/l	99
86) p-Isopropyltoluene	13.508	119	650340	49.16	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	355092	50.74	ug/l	98
88) 1,4-Dichlorobenzene	13.590	146	346966	50.06	ug/l	98
89) n-Butylbenzene	13.837	91	591193	47.97	ug/l	99
90) Hexachloroethane	14.108	117	118841	47.94	ug/l	100
91) 1,2-Dichlorobenzene	13.884	146	304876	50.73	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	22218	54.21	ug/l	94
93) 1,2,4-Trichlorobenzene	15.155	180	188462	51.17	ug/l	97
94) Hexachlorobutadiene	15.255	225	105518	47.74	ug/l	99
95) Naphthalene	15.390	128	361031	52.79	ug/l	98
96) 1,2,3-Trichlorobenzene	15.584	180	171182	54.33	ug/l	98

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

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