

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042621\
 Data File : VD068994.D
 Acq On : 26 Apr 2021 17:53
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/27/2021 3:37:23 PM

Quant Time: Apr 27 07:13:42 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	7.985	168	235509	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	377239	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	364192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	191071	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	115567	46.43	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.86%		
35) Dibromofluoromethane	7.914	113	132537	54.01	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	108.02%		
50) Toluene-d8	10.338	98	487087	52.62	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	105.24%		
62) 4-Bromofluorobenzene	12.632	95	162806	52.96	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	105.92%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	97962	41.98	ug/l	99
3) Chloromethane	2.209	50	110530	40.29	ug/l	99
4) Vinyl Chloride	2.350	62	146472	42.50	ug/l	98
5) Bromomethane	2.768	94	126601	49.14	ug/l	97
6) Chloroethane	2.921	64	109949	48.55	ug/l	98
7) Trichlorofluoromethane	3.273	101	201741	49.75	ug/l	95
8) Diethyl Ether	3.709	74	54002	49.31	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.097	101	122878	50.21	ug/l	98
10) Methyl Iodide	4.303	142	122567	43.12	ug/l	98
11) Tert butyl alcohol	5.232	59	29488	219.54	ug/l #	86
12) 1,1-Dichloroethene	4.068	96	111573	47.33	ug/l	98
13) Acrolein	3.926	56	14309	146.06	ug/l	95
14) Allyl chloride	4.715	41	110518	41.60	ug/l	93
15) Acrylonitrile	5.432	53	103153	209.86	ug/l	99
16) Acetone	4.162	43	74777	216.95	ug/l	98
17) Carbon Disulfide	4.415	76	320662	42.03	ug/l	99
18) Methyl Acetate	4.726	43	44247	46.73	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	235129	44.95	ug/l	97
20) Methylene Chloride	4.967	84	153187	55.39	ug/l	94
21) trans-1,2-Dichloroethene	5.473	96	131225	43.35	ug/l	96
22) Diisopropyl ether	6.367	45	278488	43.26	ug/l	94
23) Vinyl Acetate	6.309	43	753586	220.90	ug/l	96
24) 1,1-Dichloroethane	6.273	63	213483	43.99	ug/l	99
25) 2-Butanone	7.214	43	113893	233.52	ug/l	97
26) 2,2-Dichloropropane	7.209	77	187272	47.24	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	156719	52.09	ug/l	94
28) Bromochloromethane	7.544	49	84483	48.23	ug/l	88
29) Tetrahydrofuran	7.561	42	71119	216.82	ug/l	92
30) Chloroform	7.714	83	250204	47.10	ug/l	99
31) Cyclohexane	7.985	56	159380	38.48	ug/l	93
32) 1,1,1-Trichloroethane	7.909	97	216760	46.70	ug/l	97
36) 1,1-Dichloropropene	8.114	75	176232	46.15	ug/l	97
37) Ethyl Acetate	7.291	43	53759	47.93	ug/l	94
38) Carbon Tetrachloride	8.097	117	193806	51.27	ug/l	95
39) Methylcyclohexane	9.355	83	206294	46.33	ug/l	98
40) Benzene	8.350	78	538333	48.18	ug/l	98

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41) Methacrylonitrile	7.520	41	24170m	36.40	ug/l	
42) 1,2-Dichloroethane	8.420	62	146510	49.60	ug/l	99
43) Isopropyl Acetate	8.456	43	103147	45.11	ug/l	94
44) Trichloroethene	9.114	130	156137	50.59	ug/l	91
45) 1,2-Dichloropropane	9.391	63	129134	48.38	ug/l	92
46) Dibromomethane	9.473	93	77725	52.28	ug/l	93
47) Bromodichloromethane	9.661	83	197682	50.90	ug/l	99
48) Methyl methacrylate	9.455	41	47046	41.75	ug/l #	73
49) 1,4-Dioxane	9.467	88	17997	1143.36	ug/l	86
51) 4-Methyl-2-Pentanone	10.232	43	283996	246.44	ug/l	100
52) Toluene	10.402	92	365437	51.65	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	172578	50.13	ug/l	96
54) cis-1,3-Dichloropropene	10.091	75	202567	49.19	ug/l	99
55) 1,1,2-Trichloroethane	10.802	97	111069	52.83	ug/l	99
56) Ethyl methacrylate	10.661	69	112501	51.99	ug/l	96
57) 1,3-Dichloropropane	10.944	76	174510	50.41	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.944	63	283993	246.75	ug/l	97
59) 2-Hexanone	10.985	43	190265	246.75	ug/l	98
60) Dibromochloromethane	11.138	129	142998	54.25	ug/l	100
61) 1,2-Dibromoethane	11.244	107	107560	52.65	ug/l	98
64) Tetrachloroethene	10.873	164	130984	51.31	ug/l	93
65) Chlorobenzene	11.673	112	400624	50.82	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.744	131	152780	53.90	ug/l	99
67) Ethyl Benzene	11.744	91	689340	50.49	ug/l	97
68) m/p-Xylenes	11.849	106	546945	103.83	ug/l	96
69) o-Xylene	12.179	106	250230	52.24	ug/l	95
70) Styrene	12.191	104	443336	53.11	ug/l	99
71) Bromoform	12.355	173	80676	53.13	ug/l #	97
73) Isopropylbenzene	12.479	105	674647	48.36	ug/l	100
74) N-amyl acetate	12.285	43	97265	41.11	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.726	83	120194	46.09	ug/l	98
76) 1,2,3-Trichloropropane	12.779	75	79448m	45.51	ug/l	
77) Bromobenzene	12.755	156	166474	49.64	ug/l	94
78) n-propylbenzene	12.820	91	795286	46.93	ug/l	98
79) 2-Chlorotoluene	12.902	91	442477	46.74	ug/l	96
80) 1,3,5-Trimethylbenzene	12.955	105	572196	49.06	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.526	75	35170	46.76	ug/l	98
82) 4-Chlorotoluene	13.002	91	471700	47.01	ug/l	97
83) tert-Butylbenzene	13.220	119	473888	47.88	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	575284	48.84	ug/l	98
85) sec-Butylbenzene	13.396	105	674254	48.28	ug/l	99
86) p-Isopropyltoluene	13.514	119	621775	48.75	ug/l	100
87) 1,3-Dichlorobenzene	13.514	146	323547	48.69	ug/l	98
88) 1,4-Dichlorobenzene	13.591	146	317964	48.35	ug/l	99
89) n-Butylbenzene	13.838	91	562959	46.86	ug/l	99
90) Hexachloroethane	14.108	117	121313	47.75	ug/l	95
91) 1,2-Dichlorobenzene	13.885	146	285777	49.70	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.502	75	16992	42.87	ug/l	96
93) 1,2,4-Trichlorobenzene	15.155	180	174334	49.00	ug/l	99
94) Hexachlorobutadiene	15.261	225	104785	51.44	ug/l	99
95) Naphthalene	15.396	128	309188	49.89	ug/l	98
96) 1,2,3-Trichlorobenzene	15.590	180	159720	51.33	ug/l	99

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

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