

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041221\
 Data File : VD068824.D
 Acq On : 12 Apr 2021 10:54
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/13/2021 4:10:25 PM

Quant Time: Apr 13 01:06:50 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	243718	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	389553	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	359744	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	175330	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	114383	44.41	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.82%		
35) Dibromofluoromethane	7.920	113	126667	49.99	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.98%		
50) Toluene-d8	10.338	98	484240	50.66	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	101.32%		
62) 4-Bromofluorobenzene	12.632	95	156216	49.21	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.42%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	111072	45.99	ug/l	99
3) Chloromethane	2.209	50	119690	42.16	ug/l	99
4) Vinyl Chloride	2.350	62	160169	44.91	ug/l	96
5) Bromomethane	2.768	94	121470	45.56	ug/l	99
6) Chloroethane	2.926	64	104130	44.43	ug/l	98
7) Trichlorofluoromethane	3.279	101	219540	52.31	ug/l	96
8) Diethyl Ether	3.709	74	56123	49.52	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.097	101	132606	52.36	ug/l	98
10) Methyl Iodide	4.303	142	140311	47.46	ug/l	99
11) Tert butyl alcohol	5.214	59	22973	156.89	ug/l	96
12) 1,1-Dichloroethene	4.067	96	125220	51.33	ug/l	97
13) Acrolein	3.920	56	20532	202.52	ug/l	97
14) Allyl chloride	4.720	41	130610	47.50	ug/l	94
15) Acrylonitrile	5.420	53	104711	205.86	ug/l	98
16) Acetone	4.156	43	91556	256.69	ug/l	93
17) Carbon Disulfide	4.415	76	387307	49.05	ug/l	98
18) Methyl Acetate	4.720	43	42818	43.70	ug/l	99
19) Methyl tert-butyl Ether	5.479	73	252013	46.56	ug/l	98
20) Methylene Chloride	4.967	84	137196	47.22	ug/l	95
21) trans-1,2-Dichloroethene	5.473	96	141282	45.10	ug/l	93
22) Diisopropyl ether	6.361	45	295399	44.34	ug/l	98
23) Vinyl Acetate	6.309	43	814256	230.64	ug/l	97
24) 1,1-Dichloroethane	6.261	63	224823	44.76	ug/l	97
25) 2-Butanone	7.214	43	118934	235.64	ug/l	99
26) 2,2-Dichloropropane	7.208	77	217500	53.01	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	160620	51.59	ug/l	98
28) Bromochloromethane	7.550	49	72189	39.82	ug/l	93
29) Tetrahydrofuran	7.567	42	68214	200.96	ug/l	94
30) Chloroform	7.708	83	254564	46.31	ug/l	98
31) Cyclohexane	7.985	56	190830	44.53	ug/l	97
32) 1,1,1-Trichloroethane	7.903	97	228690	47.61	ug/l	98
36) 1,1-Dichloropropene	8.108	75	194645	49.36	ug/l	97
37) Ethyl Acetate	7.291	43	56936	49.16	ug/l	99
38) Carbon Tetrachloride	8.097	117	206104	52.79	ug/l	98
39) Methylcyclohexane	9.355	83	243910	53.04	ug/l	97
40) Benzene	8.350	78	561664	48.68	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	29388m	42.86	ug/l	
42) 1,2-Dichloroethane	8.426	62	148650	48.74	ug/l	99
43) Isopropyl Acetate	8.450	43	107927	45.71	ug/l	97
44) Trichloroethene	9.114	130	162574	51.01	ug/l	92
45) 1,2-Dichloropropane	9.391	63	128304	46.55	ug/l	94
46) Dibromomethane	9.479	93	76266	49.68	ug/l	93
47) Bromodichloromethane	9.661	83	197419	49.22	ug/l	99
48) Methyl methacrylate	9.455	41	55279	47.51	ug/l	96
49) 1,4-Dioxane	9.461	88	16060	988.04	ug/l	93
51) 4-Methyl-2-Pentanone	10.226	43	282363	237.27	ug/l	100
52) Toluene	10.402	92	372049	50.92	ug/l	100
53) t-1,3-Dichloropropene	10.620	75	176873	49.75	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	211595	49.76	ug/l	96
55) 1,1,2-Trichloroethane	10.802	97	106576	49.10	ug/l	96
56) Ethyl methacrylate	10.661	69	113759	50.91	ug/l	98
57) 1,3-Dichloropropane	10.944	76	172903	48.37	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	289834	244.06	ug/l	98
59) 2-Hexanone	10.985	43	193721	243.29	ug/l	97
60) Dibromochloromethane	11.138	129	137278	50.44	ug/l	100
61) 1,2-Dibromoethane	11.244	107	103693	49.15	ug/l	98
64) Tetrachloroethene	10.873	164	132142	52.40	ug/l	98
65) Chlorobenzene	11.667	112	398110	51.12	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.744	131	144675	51.67	ug/l	98
67) Ethyl Benzene	11.744	91	716733	53.15	ug/l	99
68) m/p-Xylenes	11.849	106	559489	107.52	ug/l	97
69) o-Xylene	12.179	106	251093	53.07	ug/l	99
70) Styrene	12.196	104	443319	53.76	ug/l	98
71) Bromoform	12.361	173	76331	50.89	ug/l #	98
73) Isopropylbenzene	12.479	105	693290	54.16	ug/l	99
74) N-amyl acetate	12.285	43	104950	48.34	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.732	83	113500	47.43	ug/l	98
76) 1,2,3-Trichloropropane	12.779	75	74236m	46.35	ug/l	
77) Bromobenzene	12.761	156	160310	52.09	ug/l	95
78) n-propylbenzene	12.820	91	823608	52.97	ug/l	99
79) 2-Chlorotoluene	12.908	91	447822	51.56	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	576692	53.88	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.526	75	34682	50.25	ug/l	99
82) 4-Chlorotoluene	13.002	91	472760	51.35	ug/l	97
83) tert-Butylbenzene	13.220	119	477921	52.62	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	573721	53.08	ug/l	98
85) sec-Butylbenzene	13.396	105	690989	53.92	ug/l	99
86) p-Isopropyltoluene	13.514	119	644956	55.10	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	313502	51.42	ug/l	98
88) 1,4-Dichlorobenzene	13.591	146	307796	51.01	ug/l	99
89) n-Butylbenzene	13.838	91	602182	54.62	ug/l	99
90) Hexachloroethane	14.108	117	120817	51.82	ug/l	97
91) 1,2-Dichlorobenzene	13.885	146	264507	50.13	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	16198	44.53	ug/l	97
93) 1,2,4-Trichlorobenzene	15.155	180	175400	53.72	ug/l	99
94) Hexachlorobutadiene	15.261	225	106033	56.73	ug/l	99
95) Naphthalene	15.396	128	296606	52.16	ug/l	99
96) 1,2,3-Trichlorobenzene	15.590	180	147525	51.66	ug/l	97

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

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