

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100421\
 Data File : VD070562.D
 Acq On : 04 Oct 2021 20:27
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/5/2021 6:02:50 PM

Quant Time: Oct 05 05:02:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	292680	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	536022	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	517320	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	247525	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	180613	48.06	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.12%		
35) Dibromofluoromethane	7.908	113	189253	49.60	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.20%		
50) Toluene-d8	10.332	98	708723	51.16	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	102.32%		
62) 4-Bromofluorobenzene	12.626	95	242766	50.14	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	100.28%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	121644	40.75	ug/l	99
3) Chloromethane	2.209	50	184001	46.16	ug/l	97
4) Vinyl Chloride	2.350	62	205105	44.54	ug/l	100
5) Bromomethane	2.762	94	140941	50.45	ug/l	99
6) Chloroethane	2.920	64	142741	51.30	ug/l	99
7) Trichlorofluoromethane	3.273	101	276852	45.45	ug/l	96
8) Diethyl Ether	3.709	74	85608	50.84	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.091	101	170435	45.05	ug/l	99
10) Methyl Iodide	4.297	142	166071	45.94	ug/l	97
11) Tert butyl alcohol	5.220	59	42025	98.90	ug/l #	100
12) 1,1-Dichloroethene	4.067	96	158417	46.49	ug/l	98
13) Acrolein	3.914	56	21132	113.11	ug/l	94
14) Allyl chloride	4.709	41	234379	46.81	ug/l	97
15) Acrylonitrile	5.426	53	207655	258.84	ug/l	98
16) Acetone	4.150	43	133169	198.48	ug/l	99
17) Carbon Disulfide	4.409	76	506339	40.28	ug/l	98
18) Methyl Acetate	4.709	43	99424	54.12	ug/l	99
19) Methyl tert-butyl Ether	5.473	73	389417	52.88	ug/l	95
20) Methylene Chloride	4.967	84	242218	59.29	ug/l	94
21) trans-1,2-Dichloroethene	5.473	96	201645	49.71	ug/l	98
22) Diisopropyl ether	6.361	45	571071	53.29	ug/l	99
23) Vinyl Acetate	6.303	43	1264100	254.61	ug/l	99
24) 1,1-Dichloroethane	6.261	63	371677	49.02	ug/l	98
25) 2-Butanone	7.208	43	213586	239.14	ug/l	93
26) 2,2-Dichloropropane	7.208	77	282971	46.17	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	224995	51.64	ug/l	98
28) Bromochloromethane	7.544	49	163100	54.21	ug/l	99
29) Tetrahydrofuran	7.561	42	140029	244.23	ug/l	99
30) Chloroform	7.708	83	396535	51.01	ug/l	100
31) Cyclohexane	7.985	56	274571	42.41	ug/l	95
32) 1,1,1-Trichloroethane	7.903	97	317747	48.56	ug/l	98
36) 1,1-Dichloropropene	8.108	75	272371	47.54	ug/l	99
37) Ethyl Acetate	7.285	43	99684	46.53	ug/l	99
38) Carbon Tetrachloride	8.097	117	279176	49.27	ug/l	98
39) Methylcyclohexane	9.355	83	291620	45.56	ug/l	97
40) Benzene	8.350	78	847450	50.47	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	60558	53.72	ug/l #	88
42) 1,2-Dichloroethane	8.420	62	223148	49.62	ug/l	100
43) Isopropyl Acetate	8.450	43	184865	46.67	ug/l	99
44) Trichloroethene	9.108	130	197592	49.24	ug/l	86
45) 1,2-Dichloropropane	9.385	63	221694	50.33	ug/l	100
46) Dibromomethane	9.473	93	114856	50.63	ug/l	98
47) Bromodichloromethane	9.655	83	292444	50.53	ug/l	99
48) Methyl methacrylate	9.450	41	85088	46.52	ug/l	93
49) 1,4-Dioxane	9.455	88	25005	1100.58	ug/l	99
51) 4-Methyl-2-Pentanone	10.220	43	519564	253.47	ug/l	99
52) Toluene	10.397	92	540277	53.26	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	261091	52.45	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	309310	51.06	ug/l	97
55) 1,1,2-Trichloroethane	10.791	97	158554	50.81	ug/l	96
56) Ethyl methacrylate	10.655	69	181957	53.41	ug/l	98
57) 1,3-Dichloropropane	10.938	76	272699	51.33	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	461754	281.23	ug/l	100
59) 2-Hexanone	10.979	43	347821	254.32	ug/l	99
60) Dibromochloromethane	11.132	129	191304	52.68	ug/l	99
61) 1,2-Dibromoethane	11.244	107	146796	51.15	ug/l	98
64) Tetrachloroethene	10.873	164	159173	50.54	ug/l	97
65) Chlorobenzene	11.661	112	545731	50.92	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	207114	52.77	ug/l	98
67) Ethyl Benzene	11.738	91	990586	53.60	ug/l	100
68) m/p-Xylenes	11.849	106	791206	110.84	ug/l	100
69) o-Xylene	12.173	106	356671	55.77	ug/l	98
70) Styrene	12.185	104	647861	57.99	ug/l	99
71) Bromoform	12.349	173	98902	50.98	ug/l #	99
73) Isopropylbenzene	12.473	105	914830	52.70	ug/l	100
74) N-amyl acetate	12.279	43	181676	48.03	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	179676	48.33	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	116451m	46.51	ug/l	
77) Bromobenzene	12.749	156	205509	51.31	ug/l	98
78) n-propylbenzene	12.808	91	1176296	52.21	ug/l	100
79) 2-Chlorotoluene	12.896	91	693169	52.78	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	810569	54.11	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	50692	50.73	ug/l	97
82) 4-Chlorotoluene	12.996	91	719542	51.94	ug/l	100
83) tert-Butylbenzene	13.214	119	649832	54.08	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	809051	54.84	ug/l	99
85) sec-Butylbenzene	13.390	105	999834	52.35	ug/l	99
86) p-Isopropyltoluene	13.502	119	819153	53.38	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	426621	51.17	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	413970	49.46	ug/l	99
89) n-Butylbenzene	13.832	91	756847	49.47	ug/l	99
90) Hexachloroethane	14.096	117	172143	49.01	ug/l	98
91) 1,2-Dichlorobenzene	13.879	146	371292	50.47	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.490	75	26213	47.08	ug/l	94
93) 1,2,4-Trichlorobenzene	15.143	180	195451	49.20	ug/l	99
94) Hexachlorobutadiene	15.249	225	116469	47.80	ug/l	99
95) Naphthalene	15.384	128	376477	52.14	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	172889	49.32	ug/l	100

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

