

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100721\
 Data File : VD070604.D
 Acq On : 07 Oct 2021 08:51
 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

10/8/2021 6:02:48 PM

Quant Time: Oct 08 04:47:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 06 09:10:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	374543	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	626200	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	594594	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	285567	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.326	65	199077	45.16	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.32%
35) Dibromofluoromethane	7.914	113	208660	50.12	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.24%
50) Toluene-d8	10.332	98	815598	51.24	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.48%
62) 4-Bromofluorobenzene	12.626	95	264217	49.67	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	99.34%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.991	85	207636	45.45	ug/l	100
3) Chloromethane	2.209	50	249841	44.05	ug/l	97
4) Vinyl Chloride	2.350	62	285432	45.41	ug/l	99
5) Bromomethane	2.768	94	182635	47.69	ug/l	99
6) Chloroethane	2.920	64	180864	45.07	ug/l	98
7) Trichlorofluoromethane	3.273	101	383667	47.10	ug/l	99
8) Diethyl Ether	3.703	74	93509	44.12	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.097	101	229731	46.53	ug/l	98
10) Methyl Iodide	4.297	142	213373	42.40	ug/l	97
11) Tert butyl alcohol	5.214	59	43975	201.39	ug/l #	86
12) 1,1-Dichloroethene	4.067	96	207856	47.29	ug/l	93
13) Acrolein	3.926	56	38836	185.25	ug/l	98
14) Allyl chloride	4.715	41	282390	46.16	ug/l	99
15) Acrylonitrile	5.414	53	212770	231.40	ug/l	99
16) Acetone	4.156	43	224433	299.84	ug/l	99
17) Carbon Disulfide	4.409	76	742987	46.30	ug/l	99
18) Methyl Acetate	4.709	43	129145	44.71	ug/l	98
19) Methyl tert-butyl Ether	5.473	73	430106	49.12	ug/l	96
20) Methylene Chloride	4.962	84	262959	47.18	ug/l	97
21) trans-1,2-Dichloroethene	5.467	96	248973	48.16	ug/l	98
22) Diisopropyl ether	6.361	45	624495	49.69	ug/l	99
23) Vinyl Acetate	6.303	43	1412046	247.10	ug/l	100
24) 1,1-Dichloroethane	6.256	63	423397	45.74	ug/l	99
25) 2-Butanone	7.208	43	251491	256.62	ug/l	100
26) 2,2-Dichloropropane	7.208	77	368329	48.08	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	264477	48.68	ug/l	97
28) Bromochloromethane	7.544	49	153405	47.59	ug/l	98
29) Tetrahydrofuran	7.556	42	154428	244.47	ug/l	98
30) Chloroform	7.708	83	443780	46.08	ug/l	100
31) Cyclohexane	7.985	56	385116	47.18	ug/l	99
32) 1,1,1-Trichloroethane	7.903	97	390644	47.10	ug/l	99
36) 1,1-Dichloropropene	8.108	75	343510	51.65	ug/l	98
37) Ethyl Acetate	7.291	43	107276	48.55	ug/l	99
38) Carbon Tetrachloride	8.091	117	361147	51.89	ug/l	98
39) Methylcyclohexane	9.350	83	411203	53.77	ug/l	98
40) Benzene	8.350	78	982416	50.12	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	67707	59.42	ug/l #	84
42) 1,2-Dichloroethane	8.420	62	247697	48.86	ug/l	99
43) Isopropyl Acetate	8.444	43	197425	48.76	ug/l	96
44) Trichloroethene	9.108	130	235229	48.67	ug/l	98
45) 1,2-Dichloropropane	9.385	63	251425	50.26	ug/l	93
46) Dibromomethane	9.473	93	127739	49.75	ug/l	98
47) Bromodichloromethane	9.655	83	331051	49.96	ug/l	99
48) Methyl methacrylate	9.450	41	99094	52.21	ug/l	97
49) 1,4-Dioxane	9.455	88	26238	1005.68	ug/l	98
51) 4-Methyl-2-Pentanone	10.220	43	552386	264.45	ug/l	100
52) Toluene	10.397	92	634563	52.69	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	294670	50.81	ug/l	100
54) cis-1,3-Dichloropropene	10.085	75	352238	50.45	ug/l	98
55) 1,1,2-Trichloroethane	10.797	97	176757	50.53	ug/l	97
56) Ethyl methacrylate	10.655	69	200268	47.99	ug/l	98
57) 1,3-Dichloropropane	10.938	76	299834	50.39	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	447202	265.36	ug/l	100
59) 2-Hexanone	10.979	43	406993	269.09	ug/l	97
60) Dibromochloromethane	11.132	129	211090	50.10	ug/l	100
61) 1,2-Dibromoethane	11.238	107	162685	49.95	ug/l	100
64) Tetrachloroethene	10.867	164	196802	51.62	ug/l	93
65) Chlorobenzene	11.661	112	622799	49.12	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	231535	49.09	ug/l	99
67) Ethyl Benzene	11.738	91	1159335	52.99	ug/l	98
68) m/p-Xylenes	11.844	106	928223	107.73	ug/l	100
69) o-Xylene	12.173	106	407238	53.14	ug/l	99
70) Styrene	12.185	104	735655	54.48	ug/l	99
71) Bromoform	12.349	173	112118	50.63	ug/l #	99
73) Isopropylbenzene	12.473	105	1101649	52.91	ug/l	100
74) N-amyl acetate	12.279	43	196462	50.07	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	192316	47.25	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	149981m	58.03	ug/l	
77) Bromobenzene	12.749	156	232218	49.89	ug/l	98
78) n-propylbenzene	12.808	91	1410055	53.52	ug/l	100
79) 2-Chlorotoluene	12.896	91	793356	51.33	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	952288	53.63	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	57502	49.39	ug/l	99
82) 4-Chlorotoluene	12.996	91	834805	51.67	ug/l	100
83) tert-Butylbenzene	13.214	119	774849	52.80	ug/l	100
84) 1,2,4-Trimethylbenzene	13.255	105	945751	53.53	ug/l	97
85) sec-Butylbenzene	13.391	105	1217395	53.52	ug/l	99
86) p-Isopropyltoluene	13.502	119	1000287	53.83	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	492422	50.38	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	482402	49.78	ug/l	99
89) n-Butylbenzene	13.832	91	966986	54.52	ug/l	100
90) Hexachloroethane	14.096	117	196149	48.83	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	415965	49.91	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	29156	49.61	ug/l	97
93) 1,2,4-Trichlorobenzene	15.143	180	236574	52.73	ug/l	98
94) Hexachlorobutadiene	15.249	225	150976	53.25	ug/l	99
95) Naphthalene	15.385	128	418050	46.35	ug/l	98
96) 1,2,3-Trichlorobenzene	15.579	180	204676	51.79	ug/l	100

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

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