

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091521\
 Data File : VD070373.D
 Acq On : 15 Sep 2021 12:55
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/16/2021 7:23:17 PM

Quant Time: Sep 16 02:40:12 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	7.973	168	388489	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	669577	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	668056	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	324349	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	234552	47.021	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.040%
35) Dibromofluoromethane	7.914	113	235774	49.469	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.940%
50) Toluene-d8	10.332	98	927178	53.580	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	107.160%
62) 4-Bromofluorobenzene	12.626	95	316021	52.254	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	104.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	183625	47.016	ug/l	98
3) Chloromethane	2.209	50	251778	47.724	ug/l	99
4) Vinyl Chloride	2.344	62	275041	44.997	ug/l	95
5) Bromomethane	2.756	94	183810	49.468	ug/l	99
6) Chloroethane	2.915	64	181620	49.011	ug/l	95
7) Trichlorofluoromethane	3.268	101	370130	45.782	ug/l	96
8) Diethyl Ether	3.709	74	103966	46.519	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.091	101	230146	45.829	ug/l	98
10) Methyl Iodide	4.297	142	227497	47.376	ug/l	99
11) Tert butyl alcohol	5.220	59	86238	152.900	ug/l #	100
12) 1,1-Dichloroethene	4.068	96	211175	46.691	ug/l	98
13) Acrolein	3.920	56	66022	266.243	ug/l	98
14) Allyl chloride	4.715	41	310532	46.723	ug/l	98
15) Acrylonitrile	5.420	53	251309	236.004	ug/l	98
16) Acetone	4.156	43	192319	215.947	ug/l	96
17) Carbon Disulfide	4.409	76	744238	44.599	ug/l	99
18) Methyl Acetate	4.715	43	119074	48.677	ug/l	97
19) Methyl tert-butyl Ether	5.473	73	469579	48.043	ug/l	96
20) Methylene Chloride	4.956	84	293106	53.297	ug/l	97
21) trans-1,2-Dichloroethene	5.467	96	258801	48.069	ug/l	99
22) Diisopropyl ether	6.362	45	712736	50.103	ug/l	98
23) Vinyl Acetate	6.303	43	1624303	246.477	ug/l	98
24) 1,1-Dichloroethane	6.262	63	463357	46.036	ug/l	98
25) 2-Butanone	7.209	43	272430	229.800	ug/l	97
26) 2,2-Dichloropropane	7.209	77	368827	45.335	ug/l	99
27) cis-1,2-Dichloroethene	7.209	96	278768	48.201	ug/l	98
28) Bromochloromethane	7.544	49	194172	48.621	ug/l	94
29) Tetrahydrofuran	7.561	42	181493	238.486	ug/l	96
30) Chloroform	7.709	83	480791	46.594	ug/l	99
31) Cyclohexane	7.979	56	393306	45.772	ug/l	95
32) 1,1,1-Trichloroethane	7.897	97	401726	46.254	ug/l	98
36) 1,1-Dichloropropene	8.108	75	358730	50.123	ug/l	98
37) Ethyl Acetate	7.291	43	133178	49.763	ug/l	96
38) Carbon Tetrachloride	8.097	117	342470	48.384	ug/l	96
39) Methylcyclohexane	9.355	83	406152	50.799	ug/l	96
40) Benzene	8.350	78	1062693	50.669	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	66174	46.996	ug/l	95
42) 1,2-Dichloroethane	8.420	62	275040	48.962	ug/l	99
43) Isopropyl Acetate	8.450	43	237012	47.897	ug/l	98
44) Trichloroethene	9.108	130	247861	49.448	ug/l	86
45) 1,2-Dichloropropane	9.385	63	277743	50.475	ug/l	97
46) Dibromomethane	9.467	93	139399	49.196	ug/l	99
47) Bromodichloromethane	9.655	83	360360	49.850	ug/l	96
48) Methyl methacrylate	9.455	41	119743	52.410	ug/l	97
49) 1,4-Dioxane	9.455	88	30644	1079.744	ug/l #	96
51) 4-Methyl-2-Pentanone	10.226	43	651471	254.425	ug/l	98
52) Toluene	10.397	92	665819	52.540	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	311250	50.054	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	373586	49.366	ug/l	99
55) 1,1,2-Trichloroethane	10.797	97	196476	50.404	ug/l	95
56) Ethyl methacrylate	10.655	69	222138	52.202	ug/l	95
57) 1,3-Dichloropropane	10.938	76	336106	50.646	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	544172	265.322	ug/l	99
59) 2-Hexanone	10.979	43	440935	258.098	ug/l	98
60) Dibromochloromethane	11.132	129	228869	50.451	ug/l	97
61) 1,2-Dibromoethane	11.238	107	177556	49.529	ug/l	100
64) Tetrachloroethene	10.873	164	199916	49.151	ug/l	99
65) Chlorobenzene	11.661	112	670917	48.478	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.738	131	249766	49.275	ug/l	98
67) Ethyl Benzene	11.738	91	1226035	51.367	ug/l	99
68) m/p-Xylenes	11.844	106	977020	105.987	ug/l	99
69) o-Xylene	12.173	106	435443	52.727	ug/l	97
70) Styrene	12.185	104	793054	54.972	ug/l	99
71) Bromoform	12.349	173	121364	48.445	ug/l #	99
73) Isopropylbenzene	12.473	105	1138296	50.043	ug/l	100
74) N-amyl acetate	12.279	43	230543	46.517	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	221934	45.555	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	142766m	43.515	ug/l	
77) Bromobenzene	12.749	156	250729	47.777	ug/l	99
78) n-propylbenzene	12.808	91	1495729	50.664	ug/l	99
79) 2-Chlorotoluene	12.896	91	853972	49.626	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	1003799	51.133	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	62957	48.081	ug/l	100
82) 4-Chlorotoluene	12.996	91	889662	49.006	ug/l	100
83) tert-Butylbenzene	13.214	119	800692	50.856	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	1002405	51.853	ug/l	99
85) sec-Butylbenzene	13.391	105	1264604	50.530	ug/l	98
86) p-Isopropyltoluene	13.502	119	1042456	51.843	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	531964	48.689	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	520693	47.480	ug/l	100
89) n-Butylbenzene	13.832	91	1009350	50.346	ug/l	99
90) Hexachloroethane	14.096	117	212349	46.133	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	458610	47.574	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	31511	43.188	ug/l	97
93) 1,2,4-Trichlorobenzene	15.143	180	249411	47.911	ug/l	99
94) Hexachlorobutadiene	15.249	225	150994	47.288	ug/l	98
95) Naphthalene	15.385	128	455953	48.194	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	224382	48.853	ug/l	100

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

