

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081721\
 Data File : VD070115.D
 Acq On : 18 Aug 2021 06:00
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/18/2021 6:59:16 PM

Quant Time: Aug 18 06:21:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	458473	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	834365	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	824325	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	400754	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	287963	53.402	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.800%
35) Dibromofluoromethane	7.914	113	291211	54.023	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.040%
50) Toluene-d8	10.332	98	1126797	53.743	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	107.480%
62) 4-Bromofluorobenzene	12.626	95	369105	53.449	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	106.900%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	183056	40.396	ug/l	98
3) Chloromethane	2.209	50	307167	48.158	ug/l	98
4) Vinyl Chloride	2.344	62	318356	41.030	ug/l	99
5) Bromomethane	2.756	94	225255	53.187	ug/l	93
6) Chloroethane	2.915	64	217769	43.932	ug/l	98
7) Trichlorofluoromethane	3.268	101	388269	41.663	ug/l	94
8) Diethyl Ether	3.709	74	127833	47.931	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.091	101	248051	41.838	ug/l	100
10) Methyl Iodide	4.291	142	244575	45.117	ug/l	99
11) Tert butyl alcohol	5.226	59	64679	217.007	ug/l #	71
12) 1,1-Dichloroethene	4.062	96	237858	43.669	ug/l	93
13) Acrolein	3.915	56	52971	154.292	ug/l	98
14) Allyl chloride	4.715	41	365730	45.000	ug/l	97
15) Acrylonitrile	5.420	53	310803	251.322	ug/l	99
16) Acetone	4.156	43	209419	210.818	ug/l	98
17) Carbon Disulfide	4.403	76	871313	44.245	ug/l	100
18) Methyl Acetate	4.715	43	172614	58.283	ug/l	97
19) Methyl tert-butyl Ether	5.473	73	574824	50.850	ug/l	98
20) Methylene Chloride	4.962	84	382469	57.759	ug/l	94
21) trans-1,2-Dichloroethene	5.468	96	304975	48.203	ug/l	97
22) Diisopropyl ether	6.356	45	901982	52.769	ug/l	97
23) Vinyl Acetate	6.303	43	1954664	252.327	ug/l	99
24) 1,1-Dichloroethane	6.262	63	578324	49.451	ug/l	99
25) 2-Butanone	7.209	43	343964	253.406	ug/l	96
26) 2,2-Dichloropropane	7.203	77	372651	40.925	ug/l	97
27) cis-1,2-Dichloroethene	7.209	96	345384	51.404	ug/l	96
28) Bromochloromethane	7.544	49	212734	49.987	ug/l	97
29) Tetrahydrofuran	7.556	42	230101	258.886	ug/l	96
30) Chloroform	7.709	83	522677	45.445	ug/l	98
31) Cyclohexane	7.985	56	439064	41.137	ug/l	97
32) 1,1,1-Trichloroethane	7.897	97	457371	47.588	ug/l	99
36) 1,1-Dichloropropene	8.109	75	390257	43.478	ug/l	99
37) Ethyl Acetate	7.291	43	166232	50.987	ug/l	100
38) Carbon Tetrachloride	8.091	117	352490	43.256	ug/l	97
39) Methylcyclohexane	9.356	83	422956	40.471	ug/l	97
40) Benzene	8.350	78	1300381	49.948	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	86664	49.166	ug/l	94
42) 1,2-Dichloroethane	8.420	62	339311	50.853	ug/l	98
43) Isopropyl Acetate	8.450	43	300235	49.326	ug/l	99
44) Trichloroethene	9.109	130	309897	49.274	ug/l	98
45) 1,2-Dichloropropane	9.385	63	320410	47.380	ug/l	96
46) Dibromomethane	9.473	93	168283	51.233	ug/l	97
47) Bromodichloromethane	9.656	83	440852	51.877	ug/l	98
48) Methyl methacrylate	9.456	41	131089	45.163	ug/l #	89
49) 1,4-Dioxane	9.456	88	35425	991.030	ug/l	97
51) 4-Methyl-2-Pentanone	10.226	43	851232	268.959	ug/l	99
52) Toluene	10.397	92	823508	51.968	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	358718	47.656	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	432271	47.314	ug/l	98
55) 1,1,2-Trichloroethane	10.797	97	244663	52.572	ug/l	97
56) Ethyl methacrylate	10.656	69	283028	53.441	ug/l	99
57) 1,3-Dichloropropane	10.938	76	423813	52.604	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	785093	281.064	ug/l	100
59) 2-Hexanone	10.979	43	567087	267.550	ug/l	100
60) Dibromochloromethane	11.132	129	280146	52.548	ug/l	99
61) 1,2-Dibromoethane	11.238	107	225103	53.428	ug/l	99
64) Tetrachloroethene	10.873	164	250913	47.183	ug/l	97
65) Chlorobenzene	11.667	112	840176	48.782	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	301135	49.234	ug/l	99
67) Ethyl Benzene	11.738	91	1493726	49.052	ug/l	100
68) m/p-Xylenes	11.844	106	1191333	100.951	ug/l	98
69) o-Xylene	12.173	106	540152	50.728	ug/l	97
70) Styrene	12.185	104	969514	51.986	ug/l	99
71) Bromoform	12.355	173	152275	51.099	ug/l #	99
73) Isopropylbenzene	12.473	105	1377970	47.152	ug/l	99
74) N-amyl acetate	12.279	43	282427	44.823	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	282679	48.478	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	183301m	45.101	ug/l	
77) Bromobenzene	12.749	156	314554	48.494	ug/l	98
78) n-propylbenzene	12.814	91	1789112	47.471	ug/l	99
79) 2-Chlorotoluene	12.897	91	1033962	47.684	ug/l	99
80) 1,3,5-Trimethylbenzene	12.950	105	1203119	48.358	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	68577	43.797	ug/l	96
82) 4-Chlorotoluene	12.997	91	1071234	47.181	ug/l	99
83) tert-Butylbenzene	13.214	119	960223	47.483	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	1208197	48.955	ug/l	100
85) sec-Butylbenzene	13.391	105	1493631	46.100	ug/l	100
86) p-Isopropyltoluene	13.502	119	1230435	47.007	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	657820	47.731	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	637816	46.725	ug/l	99
89) n-Butylbenzene	13.832	91	1168164	45.478	ug/l	99
90) Hexachloroethane	14.096	117	252759	45.759	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	571589	48.402	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.496	75	39093	44.884	ug/l	91
93) 1,2,4-Trichlorobenzene	15.149	180	305389	46.503	ug/l	99
94) Hexachlorobutadiene	15.249	225	168271	43.377	ug/l	98
95) Naphthalene	15.385	128	587942	49.191	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	278174	48.525	ug/l	98

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

