

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081621\
 Data File : VD070064.D
 Acq On : 16 Aug 2021 13:57
 Operator : VA/SY
 Sample : VD0816SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/18/2021 6:57:17 PM

Quant Time: Aug 17 03:55:45 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	7.973	168	566691	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1023826	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	960256	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	437110	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	331604	49.752	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.500%
35) Dibromofluoromethane	7.914	113	328509	49.664	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.320%
50) Toluene-d8	10.338	98	1324625	51.488	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.980%
62) 4-Bromofluorobenzene	12.626	95	434058	51.223	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	102.440%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	151478	24.627	ug/l	98
3) Chloromethane	2.209	50	189688	21.641	ug/l	97
4) Vinyl Chloride	2.344	62	205730	21.451	ug/l	98
5) Bromomethane	2.750	94	123458	20.980	ug/l	92
6) Chloroethane	2.909	64	126570	20.658	ug/l	99
7) Trichlorofluoromethane	3.268	101	239954	20.831	ug/l	99
8) Diethyl Ether	3.703	74	67252	20.401	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.091	101	148603	20.278	ug/l	99
10) Methyl Iodide	4.297	142	135840	20.273	ug/l	99
11) Tert butyl alcohol	5.232	59	36209	98.287	ug/l #	91
12) 1,1-Dichloroethene	4.062	96	142964	21.235	ug/l	100
13) Acrolein	3.921	56	41420	97.608	ug/l	100
14) Allyl chloride	4.709	41	208194	20.725	ug/l	99
15) Acrylonitrile	5.415	53	163459	106.935	ug/l	97
16) Acetone	4.156	43	128910	104.990	ug/l	93
17) Carbon Disulfide	4.403	76	502182	20.631	ug/l	99
18) Methyl Acetate	4.721	43	76196	20.814	ug/l	95
19) Methyl tert-butyl Ether	5.473	73	287381	20.567	ug/l	95
20) Methylene Chloride	4.962	84	258188	27.124	ug/l	97
21) trans-1,2-Dichloroethene	5.468	96	160430	20.514	ug/l	96
22) Diisopropyl ether	6.362	45	450540	21.325	ug/l	99
23) Vinyl Acetate	6.303	43	987908	103.175	ug/l	99
24) 1,1-Dichloroethane	6.262	63	289523	20.029	ug/l	99
25) 2-Butanone	7.209	43	181424	108.135	ug/l	93
26) 2,2-Dichloropropane	7.203	77	238448	21.186	ug/l	99
27) cis-1,2-Dichloroethene	7.209	96	167918	20.219	ug/l	99
28) Bromochloromethane	7.544	49	113499	21.577	ug/l	99
29) Tetrahydrofuran	7.562	42	114991	104.670	ug/l	97
30) Chloroform	7.709	83	288101	20.266	ug/l	98
31) Cyclohexane	7.979	56	277164	21.009	ug/l	97
32) 1,1,1-Trichloroethane	7.903	97	247198	20.808	ug/l	98
36) 1,1-Dichloropropene	8.114	75	230007	20.883	ug/l	98
37) Ethyl Acetate	7.291	43	88054	22.010	ug/l	99
38) Carbon Tetrachloride	8.091	117	208071	20.809	ug/l	96
39) Methylcyclohexane	9.350	83	262658	20.482	ug/l	98
40) Benzene	8.350	78	657836	20.592	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	42660	19.723	ug/l	97
42) 1,2-Dichloroethane	8.420	62	169450	20.696	ug/l	99
43) Isopropyl Acetate	8.450	43	154741	20.718	ug/l	100
44) Trichloroethene	9.109	130	156058	20.222	ug/l	99
45) 1,2-Dichloropropane	9.379	63	168471	20.302	ug/l	97
46) Dibromomethane	9.473	93	83005	20.594	ug/l	97
47) Bromodichloromethane	9.661	83	209461	20.087	ug/l	98
48) Methyl methacrylate	9.450	41	76349	21.436	ug/l	97
49) 1,4-Dioxane	9.456	88	18822	429.114	ug/l	93
51) 4-Methyl-2-Pentanone	10.226	43	409222	105.372	ug/l	99
52) Toluene	10.397	92	404218	20.788	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	191667	20.751	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	239685	21.380	ug/l	99
55) 1,1,2-Trichloroethane	10.797	97	117102	20.506	ug/l	97
56) Ethyl methacrylate	10.656	69	133588	20.556	ug/l	98
57) 1,3-Dichloropropane	10.944	76	203387	20.573	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	337865	98.573	ug/l	100
59) 2-Hexanone	10.979	43	281852	108.369	ug/l	98
60) Dibromochloromethane	11.132	129	132026	20.182	ug/l	99
61) 1,2-Dibromoethane	11.238	107	108748	21.035	ug/l	99
64) Tetrachloroethene	10.873	164	122618	19.794	ug/l	98
65) Chlorobenzene	11.667	112	408866	20.379	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	142271	19.968	ug/l	99
67) Ethyl Benzene	11.738	91	716302	20.193	ug/l	99
68) m/p-Xylenes	11.850	106	563866	41.017	ug/l	100
69) o-Xylene	12.173	106	253013	20.398	ug/l	100
70) Styrene	12.191	104	446488	20.552	ug/l	99
71) Bromoform	12.355	173	70946	20.437	ug/l #	100
73) Isopropylbenzene	12.473	105	676834	21.234	ug/l	98
74) N-amyl acetate	12.279	43	143454	20.873	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	133909	21.055	ug/l	98
76) 1,2,3-Trichloropropane	12.779	75	90011m	20.305	ug/l	
77) Bromobenzene	12.755	156	147981	20.916	ug/l	99
78) n-propylbenzene	12.814	91	888836	21.622	ug/l	99
79) 2-Chlorotoluene	12.897	91	501464	21.203	ug/l	98
80) 1,3,5-Trimethylbenzene	12.950	105	581048	21.412	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	38568	22.583	ug/l	94
82) 4-Chlorotoluene	12.997	91	531662	21.469	ug/l	99
83) tert-Butylbenzene	13.214	119	462240	20.957	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	578746	21.500	ug/l	98
85) sec-Butylbenzene	13.391	105	752592	21.296	ug/l	98
86) p-Isopropyltoluene	13.508	119	603796	21.148	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	313935	20.884	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	307289	20.639	ug/l	98
89) n-Butylbenzene	13.832	91	589289	21.034	ug/l	99
90) Hexachloroethane	14.102	117	125245	20.788	ug/l	97
91) 1,2-Dichlorobenzene	13.879	146	272079	21.123	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.491	75	20153	21.214	ug/l	95
93) 1,2,4-Trichlorobenzene	15.149	180	147350	20.571	ug/l	99
94) Hexachlorobutadiene	15.255	225	88620	20.944	ug/l	99
95) Naphthalene	15.385	128	264777	20.310	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	130834	20.924	ug/l	98

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

