

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081921\
 Data File : VD070182.D
 Acq On : 19 Aug 2021 23:55
 Operator : VA/SY
 Sample : VD0819SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS02

Manual Integrations
 APPROVED

MMDadoda
 8/20/2021 6:48:19 PM

Quant Time: Aug 20 05:49:43 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	396063	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	797159	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	776642	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	362165	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	275860	59.219	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.440%	
35) Dibromofluoromethane	7.914	113	276974	53.780	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.560%	
50) Toluene-d8	10.332	98	1038228	51.830	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.660%	
62) 4-Bromofluorobenzene	12.626	95	342263	51.875	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 103.760%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	105650	24.561	ug/l	96
3) Chloromethane	2.209	50	141899	23.504	ug/l	98
4) Vinyl Chloride	2.344	62	144843	21.609	ug/l	99
5) Bromomethane	2.744	94	112336	28.727	ug/l	99
6) Chloroethane	2.909	64	101018	23.590	ug/l	98
7) Trichlorofluoromethane	3.262	101	177869	22.094	ug/l	100
8) Diethyl Ether	3.709	74	55708	24.179	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.085	101	115774	22.604	ug/l	100
10) Methyl Iodide	4.291	142	102529	21.894	ug/l	100
11) Tert butyl alcohol	5.220	59	32462	126.077	ug/l	97
12) 1,1-Dichloroethene	4.062	96	103962	22.094	ug/l	95
13) Acrolein	3.920	56	23862	80.457	ug/l	99
14) Allyl chloride	4.709	41	157028	22.366	ug/l	97
15) Acrylonitrile	5.414	53	124046	116.112	ug/l	99
16) Acetone	4.156	43	85911	100.113	ug/l	100
17) Carbon Disulfide	4.403	76	372992	21.925	ug/l	99
18) Methyl Acetate	4.714	43	72395	28.296	ug/l	97
19) Methyl tert-butyl Ether	5.473	73	224655	23.005	ug/l	99
20) Methylene Chloride	4.956	84	219558	35.114	ug/l	100
21) trans-1,2-Dichloroethene	5.467	96	122425	22.399	ug/l	94
22) Diisopropyl ether	6.361	45	359553	24.350	ug/l	95
23) Vinyl Acetate	6.303	43	749251m	111.961	ug/l	
24) 1,1-Dichloroethane	6.261	63	243021	24.055	ug/l	96
25) 2-Butanone	7.214	43	136441	116.358	ug/l	94
26) 2,2-Dichloropropane	7.203	77	166103	21.116	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	138911	23.932	ug/l	97
28) Bromochloromethane	7.544	49	94581	25.726	ug/l	99
29) Tetrahydrofuran	7.561	42	90028	117.251	ug/l	98
30) Chloroform	7.708	83	232143	23.365	ug/l	97
31) Cyclohexane	7.979	56	188524	20.447	ug/l	95
32) 1,1,1-Trichloroethane	7.897	97	190497	22.944	ug/l	99
36) 1,1-Dichloropropene	8.114	75	157180	18.328	ug/l	98
37) Ethyl Acetate	7.291	43	68273	21.918	ug/l	100
38) Carbon Tetrachloride	8.091	117	147161	18.902	ug/l	94
39) Methylcyclohexane	9.349	83	167534	16.779	ug/l	99
40) Benzene	8.350	78	538434	21.647	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	40094	23.808	ug/l #	84
42) 1,2-Dichloroethane	8.420	62	143723	22.546	ug/l	99
43) Isopropyl Acetate	8.450	43	127357	21.900	ug/l	99
44) Trichloroethene	9.108	130	124400	20.703	ug/l	99
45) 1,2-Dichloropropane	9.385	63	132976	20.581	ug/l	96
46) Dibromomethane	9.473	93	70839	22.573	ug/l	97
47) Bromodichloromethane	9.655	83	182336	22.458	ug/l	98
48) Methyl methacrylate	9.449	41	56496	20.372	ug/l	92
49) 1,4-Dioxane	9.461	88	15168	444.136	ug/l #	93
51) 4-Methyl-2-Pentanone	10.226	43	333533	110.303	ug/l	98
52) Toluene	10.396	92	330658	21.840	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	154811	21.527	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	188391	21.583	ug/l	99
55) 1,1,2-Trichloroethane	10.796	97	101498	22.827	ug/l	96
56) Ethyl methacrylate	10.655	69	108102	21.364	ug/l	98
57) 1,3-Dichloropropane	10.938	76	169346	22.000	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	277091	103.829	ug/l	99
59) 2-Hexanone	10.979	43	216562	106.942	ug/l	98
60) Dibromochloromethane	11.138	129	115138	22.605	ug/l	97
61) 1,2-Dibromoethane	11.238	107	91026	22.613	ug/l	99
64) Tetrachloroethene	10.873	164	101059	20.170	ug/l	97
65) Chlorobenzene	11.667	112	341539	21.048	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	122739	21.299	ug/l	99
67) Ethyl Benzene	11.738	91	578497	20.164	ug/l	100
68) m/p-Xylenes	11.849	106	449250	40.406	ug/l	100
69) o-Xylene	12.173	106	205316	20.466	ug/l	100
70) Styrene	12.185	104	366913	20.882	ug/l	99
71) Bromoform	12.355	173	61409	21.872	ug/l #	99
73) Isopropylbenzene	12.473	105	527026	19.956	ug/l	98
74) N-amyl acetate	12.279	43	114408	20.092	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	115132	21.848	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	73407m	19.986	ug/l	
77) Bromobenzene	12.749	156	128070	21.848	ug/l	96
78) n-propylbenzene	12.814	91	683148	20.057	ug/l	99
79) 2-Chlorotoluene	12.896	91	406697	20.754	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	450921	20.055	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	28028	19.808	ug/l	92
82) 4-Chlorotoluene	12.996	91	425532	20.739	ug/l	100
83) tert-Butylbenzene	13.214	119	362794	19.852	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	455826	20.438	ug/l	98
85) sec-Butylbenzene	13.390	105	578098	19.744	ug/l	100
86) p-Isopropyltoluene	13.502	119	454965	19.233	ug/l	98
87) 1,3-Dichlorobenzene	13.508	146	259115	20.805	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	253373	20.539	ug/l	99
89) n-Butylbenzene	13.832	91	427206	18.404	ug/l	99
90) Hexachloroethane	14.102	117	104837	21.002	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	227003	21.271	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	16517	20.984	ug/l	93
93) 1,2,4-Trichlorobenzene	15.143	180	113213	19.076	ug/l	100
94) Hexachlorobutadiene	15.255	225	66955	19.099	ug/l	98
95) Naphthalene	15.384	128	208238	19.279	ug/l	98
96) 1,2,3-Trichlorobenzene	15.579	180	103867	20.049	ug/l	99

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

