

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082621\
 Data File : VD070264.D
 Acq On : 26 Aug 2021 11:57
 Operator : VA/SY
 Sample : VD0826SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0826SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/27/2021 4:46:11 PM

Quant Time: Aug 27 01:22:29 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	422503	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	771070	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	735947	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	360542	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	267801	53.891	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.780%	
35) Dibromofluoromethane	7.908	113	264662	53.128	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.260%	
50) Toluene-d8	10.338	98	1009830	52.118	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.240%	
62) 4-Bromofluorobenzene	12.626	95	332439	52.091	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 104.180%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	104873	22.346	ug/l	97
3) Chloromethane	2.209	50	135731	20.576	ug/l	97
4) Vinyl Chloride	2.344	62	144188	20.165	ug/l	97
5) Bromomethane	2.744	94	100433	23.318	ug/l	100
6) Chloroethane	2.909	64	97821	21.414	ug/l	94
7) Trichlorofluoromethane	3.267	101	195350	22.746	ug/l	100
8) Diethyl Ether	3.703	74	47513	19.332	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.091	101	114030	20.871	ug/l	97
10) Methyl Iodide	4.297	142	88239	17.663	ug/l	98
11) Tert butyl alcohol	5.220	59	27547	100.292	ug/l #	94
12) 1,1-Dichloroethene	4.062	96	96942	19.313	ug/l	97
13) Acrolein	3.920	56	20867	65.955	ug/l	94
14) Allyl chloride	4.709	41	147555	19.701	ug/l	98
15) Acrylonitrile	5.414	53	121669	106.760	ug/l	99
16) Acetone	4.156	43	92278	100.803	ug/l	97
17) Carbon Disulfide	4.403	76	345626	19.045	ug/l	100
18) Methyl Acetate	4.714	43	61949	22.698	ug/l	99
19) Methyl tert-butyl Ether	5.467	73	209381	20.099	ug/l	95
20) Methylene Chloride	4.961	84	152932	19.548	ug/l	97
21) trans-1,2-Dichloroethene	5.467	96	115458	19.802	ug/l	97
22) Diisopropyl ether	6.361	45	332331	21.098	ug/l	99
23) Vinyl Acetate	6.303	43	710825	99.572	ug/l	98
24) 1,1-Dichloroethane	6.261	63	226316	20.999	ug/l	98
25) 2-Butanone	7.208	43	131547	105.164	ug/l	98
26) 2,2-Dichloropropane	7.208	77	176047	20.980	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	125942	20.340	ug/l	99
28) Bromochloromethane	7.544	49	95507	24.352	ug/l	100
29) Tetrahydrofuran	7.561	42	84841	103.581	ug/l	98
30) Chloroform	7.708	83	227828	21.495	ug/l	99
31) Cyclohexane	7.985	56	192679	19.590	ug/l	96
32) 1,1,1-Trichloroethane	7.902	97	185090	20.897	ug/l	97
36) 1,1-Dichloropropene	8.108	75	164009	19.772	ug/l	98
37) Ethyl Acetate	7.291	43	66515	22.076	ug/l	100
38) Carbon Tetrachloride	8.097	117	157841	20.960	ug/l	90
39) Methylcyclohexane	9.349	83	182794	18.927	ug/l	96
40) Benzene	8.344	78	491326	20.421	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	27509	16.887	ug/l #	78
42) 1,2-Dichloroethane	8.420	62	132145	21.431	ug/l	98
43) Isopropyl Acetate	8.450	43	117706	20.925	ug/l	99
44) Trichloroethene	9.108	130	114337	19.672	ug/l	100
45) 1,2-Dichloropropane	9.385	63	131392	21.024	ug/l	99
46) Dibromomethane	9.473	93	65028	21.423	ug/l	98
47) Bromodichloromethane	9.655	83	169936	21.639	ug/l	97
48) Methyl methacrylate	9.449	41	56121	20.922	ug/l	95
49) 1,4-Dioxane	9.461	88	14328	433.735	ug/l	97
51) 4-Methyl-2-Pentanone	10.226	43	312852	106.964	ug/l	97
52) Toluene	10.396	92	298173	20.361	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	148068	21.286	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	179564	21.267	ug/l	96
55) 1,1,2-Trichloroethane	10.796	97	91176	21.200	ug/l	97
56) Ethyl methacrylate	10.655	69	95112	19.433	ug/l	99
57) 1,3-Dichloropropane	10.944	76	156791	21.058	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	280953	108.838	ug/l	100
59) 2-Hexanone	10.979	43	206725	105.538	ug/l	96
60) Dibromochloromethane	11.138	129	104885	21.289	ug/l	99
61) 1,2-Dibromoethane	11.243	107	85417	21.938	ug/l	100
64) Tetrachloroethene	10.867	164	92852	19.557	ug/l	92
65) Chlorobenzene	11.667	112	309971	20.159	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	111136	20.352	ug/l	98
67) Ethyl Benzene	11.738	91	518495	19.071	ug/l	99
68) m/p-Xylenes	11.849	106	418468	39.718	ug/l	99
69) o-Xylene	12.173	106	183794	19.334	ug/l	99
70) Styrene	12.191	104	337772	20.287	ug/l	99
71) Bromoform	12.355	173	55218	20.755	ug/l #	99
73) Isopropylbenzene	12.473	105	489643	18.624	ug/l	98
74) N-amyl acetate	12.279	43	111078	19.595	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	108160	20.618	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	70555m	19.296	ug/l	
77) Bromobenzene	12.755	156	114111	19.554	ug/l	99
78) n-propylbenzene	12.814	91	651423	19.212	ug/l	98
79) 2-Chlorotoluene	12.902	91	367866	18.857	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	422551	18.878	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	30139	21.395	ug/l	99
82) 4-Chlorotoluene	12.996	91	396183	19.395	ug/l	100
83) tert-Butylbenzene	13.214	119	333812	18.348	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	417630	18.809	ug/l	100
85) sec-Butylbenzene	13.390	105	553912	19.003	ug/l	98
86) p-Isopropyltoluene	13.508	119	435136	18.478	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	237852	19.183	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	239216	19.479	ug/l	99
89) n-Butylbenzene	13.832	91	424550	18.372	ug/l	98
90) Hexachloroethane	14.102	117	94566	19.029	ug/l	100
91) 1,2-Dichlorobenzene	13.879	146	205373	19.331	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.490	75	15457	19.726	ug/l	98
93) 1,2,4-Trichlorobenzene	15.149	180	110208	18.654	ug/l	98
94) Hexachlorobutadiene	15.255	225	63680	18.246	ug/l	99
95) Naphthalene	15.384	128	192542	17.906	ug/l	98
96) 1,2,3-Trichlorobenzene	15.579	180	95112	18.442	ug/l	99

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

