

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072821\
 Data File : VD069882.D
 Acq On : 28 Jul 2021 11:38
 Operator : VA/SY
 Sample : VD0728SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0728SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/29/2021 4:11:34 PM

Quant Time: Jul 28 13:12:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	595345	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1047591	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	987832	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	481199	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	343920	50.229	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.460%	
35) Dibromofluoromethane	7.914	113	348162	52.720	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.440%	
50) Toluene-d8	10.332	98	1343575	52.762	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.520%	
62) 4-Bromofluorobenzene	12.626	95	455668	53.543	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 107.080%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	127311	20.317	ug/l	99
3) Chloromethane	2.209	50	179971	19.799	ug/l	95
4) Vinyl Chloride	2.344	62	188337	19.699	ug/l	96
5) Bromomethane	2.750	94	124402	20.944	ug/l	94
6) Chloroethane	2.915	64	122779	19.813	ug/l	88
7) Trichlorofluoromethane	3.268	101	234208	19.844	ug/l	96
8) Diethyl Ether	3.709	74	64437	19.410	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.085	101	152103	20.291	ug/l	98
10) Methyl Iodide	4.297	142	109666	17.254	ug/l	99
11) Tert butyl alcohol	5.220	59	37274	105.206	ug/l	96
12) 1,1-Dichloroethene	4.062	96	131053	19.240	ug/l	97
13) Acrolein	3.915	56	41849	84.381	ug/l	97
14) Allyl chloride	4.709	41	187602	18.785	ug/l	98
15) Acrylonitrile	5.415	53	151848	97.232	ug/l	99
16) Acetone	4.150	43	123999	100.251	ug/l	96
17) Carbon Disulfide	4.403	76	469105	19.261	ug/l	99
18) Methyl Acetate	4.709	43	72741	20.269	ug/l	99
19) Methyl tert-butyl Ether	5.473	73	270712	19.182	ug/l	98
20) Methylene Chloride	4.962	84	212033	19.859	ug/l	98
21) trans-1,2-Dichloroethene	5.468	96	154655	19.268	ug/l	98
22) Diisopropyl ether	6.362	45	433497	19.976	ug/l	94
23) Vinyl Acetate	6.303	43	981817	95.900	ug/l	98
24) 1,1-Dichloroethane	6.262	63	291108	19.421	ug/l	98
25) 2-Butanone	7.209	43	163037	97.198	ug/l	98
26) 2,2-Dichloropropane	7.203	77	224499	19.697	ug/l	98
27) cis-1,2-Dichloroethene	7.209	96	168421	19.665	ug/l	97
28) Bromochloromethane	7.538	49	118780	20.872	ug/l	96
29) Tetrahydrofuran	7.562	42	109047	100.485	ug/l	100
30) Chloroform	7.709	83	295310	19.596	ug/l	98
31) Cyclohexane	7.985	56	256412	19.166	ug/l	99
32) 1,1,1-Trichloroethane	7.897	97	247297	19.825	ug/l	98
36) 1,1-Dichloropropene	8.109	75	227878	20.157	ug/l	99
37) Ethyl Acetate	7.291	43	81621	19.832	ug/l	96
38) Carbon Tetrachloride	8.091	117	203564	19.713	ug/l	100
39) Methylcyclohexane	9.350	83	243728	18.824	ug/l	98
40) Benzene	8.344	78	650672	19.867	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.509	41	41618m	19.269	ug/l	
42) 1,2-Dichloroethane	8.420	62	171031	19.745	ug/l	98
43) Isopropyl Acetate	8.444	43	147276	19.952	ug/l	99
44) Trichloroethene	9.108	130	158758	19.683	ug/l	98
45) 1,2-Dichloropropane	9.379	63	166023	19.298	ug/l	99
46) Dibromomethane	9.473	93	85090	20.121	ug/l	98
47) Bromodichloromethane	9.656	83	221159	20.129	ug/l	95
48) Methyl methacrylate	9.456	41	71186	19.864	ug/l	97
49) 1,4-Dioxane	9.456	88	17503	391.761	ug/l	94
51) 4-Methyl-2-Pentanone	10.226	43	385919	100.472	ug/l	99
52) Toluene	10.397	92	408966	20.584	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	187725	20.356	ug/l	95
54) cis-1,3-Dichloropropene	10.085	75	225812	20.225	ug/l	98
55) 1,1,2-Trichloroethane	10.791	97	120372	20.153	ug/l	94
56) Ethyl methacrylate	10.655	69	125787	19.602	ug/l	99
57) 1,3-Dichloropropane	10.938	76	202647	20.050	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	291706	103.180	ug/l	99
59) 2-Hexanone	10.979	43	260717	102.616	ug/l	98
60) Dibromochloromethane	11.132	129	133585	19.748	ug/l	98
61) 1,2-Dibromoethane	11.238	107	108694	20.212	ug/l	99
64) Tetrachloroethene	10.873	164	126835	20.142	ug/l	93
65) Chlorobenzene	11.661	112	419217	20.484	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.732	131	148579	20.181	ug/l	99
67) Ethyl Benzene	11.738	91	715571	19.860	ug/l	99
68) m/p-Xylenes	11.844	106	575005	41.166	ug/l	100
69) o-Xylene	12.173	106	251390	19.797	ug/l	99
70) Styrene	12.185	104	449666	20.433	ug/l	100
71) Bromoform	12.355	173	73475	20.550	ug/l #	98
73) Isopropylbenzene	12.473	105	667497	19.306	ug/l	100
74) N-amyl acetate	12.279	43	135379	19.036	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	137832	19.962	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	91606m	17.910	ug/l	
77) Bromobenzene	12.749	156	153914	19.765	ug/l	97
78) n-propylbenzene	12.814	91	883166	19.888	ug/l	100
79) 2-Chlorotoluene	12.897	91	507820	19.687	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	585527	19.797	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	33267	19.732	ug/l	98
82) 4-Chlorotoluene	12.997	91	538286	19.961	ug/l	99
83) tert-Butylbenzene	13.214	119	457131	19.010	ug/l	100
84) 1,2,4-Trimethylbenzene	13.261	105	584155	20.020	ug/l	98
85) sec-Butylbenzene	13.391	105	752366	19.791	ug/l	99
86) p-Isopropyltoluene	13.502	119	599053	19.397	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	323400	19.781	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	321805	19.748	ug/l	99
89) n-Butylbenzene	13.832	91	585618	19.213	ug/l	99
90) Hexachloroethane	14.102	117	125897	19.244	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	279138	19.782	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.491	75	19982	20.097	ug/l	98
93) 1,2,4-Trichlorobenzene	15.149	180	148560	19.513	ug/l	97
94) Hexachlorobutadiene	15.255	225	87910	18.876	ug/l	97
95) Naphthalene	15.385	128	250753	19.348	ug/l	98
96) 1,2,3-Trichlorobenzene	15.579	180	129311	19.640	ug/l	99

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

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