

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100721\
 Data File : VD070606.D
 Acq On : 07 Oct 2021 09:51
 Operator : VA/SY
 Sample : VD1007SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/8/2021 6:02:49 PM

Quant Time: Oct 08 04:48:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 06 09:10:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	343718	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	617545	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	583925	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	287665	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	189778	46.92	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.84%		
35) Dibromofluoromethane	7.914	113	195074	47.51	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.02%		
50) Toluene-d8	10.332	98	776533	49.47	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.94%		
62) 4-Bromofluorobenzene	12.620	95	265602	50.63	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	101.26%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	77595	18.51	ug/l	99
3) Chloromethane	2.209	50	96932	18.62	ug/l	99
4) Vinyl Chloride	2.350	62	106279	18.43	ug/l	96
5) Bromomethane	2.756	94	77869	20.09	ug/l	91
6) Chloroethane	2.915	64	67035	18.20	ug/l	94
7) Trichlorofluoromethane	3.268	101	142601	19.08	ug/l	97
8) Diethyl Ether	3.709	74	35163	18.08	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.097	101	85339	18.84	ug/l	100
10) Methyl Iodide	4.297	142	69439	15.51	ug/l	99
11) Tert butyl alcohol	5.215	59	17914	89.40	ug/l	100
12) 1,1-Dichloroethene	4.068	96	72728	18.03	ug/l	96
13) Acrolein	3.926	56	17390	90.39	ug/l	95
14) Allyl chloride	4.715	41	102166	18.20	ug/l	98
15) Acrylonitrile	5.420	53	75066	88.96	ug/l	99
16) Acetone	4.150	43	58425	85.05	ug/l	95
17) Carbon Disulfide	4.409	76	268410	18.23	ug/l	98
18) Methyl Acetate	4.720	43	50108	18.90	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	144399	17.97	ug/l	97
20) Methylene Chloride	4.956	84	113543	17.45	ug/l	87
21) trans-1,2-Dichloroethene	5.467	96	89314	18.83	ug/l	87
22) Diisopropyl ether	6.362	45	218493	18.94	ug/l	96
23) Vinyl Acetate	6.309	43	442836	84.44	ug/l	99
24) 1,1-Dichloroethane	6.262	63	157775	18.57	ug/l	98
25) 2-Butanone	7.214	43	81480	90.60	ug/l	95
26) 2,2-Dichloropropane	7.209	77	132131	18.79	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	91929	18.44	ug/l	99
28) Bromochloromethane	7.550	49	51212	17.31	ug/l	97
29) Tetrahydrofuran	7.561	42	49637	85.63	ug/l	100
30) Chloroform	7.709	83	167886	19.00	ug/l	97
31) Cyclohexane	7.979	56	133840	17.87	ug/l	95
32) 1,1,1-Trichloroethane	7.903	97	144104	18.93	ug/l	99
36) 1,1-Dichloropropene	8.114	75	124105	18.92	ug/l	98
37) Ethyl Acetate	7.291	43	37059	17.01	ug/l	97
38) Carbon Tetrachloride	8.097	117	129189	18.82	ug/l	97
39) Methylcyclohexane	9.350	83	131734	17.47	ug/l	99
40) Benzene	8.350	78	363137	18.79	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	22224	19.78	ug/l #	82
42) 1,2-Dichloroethane	8.420	62	92972	18.60	ug/l	100
43) Isopropyl Acetate	8.450	43	69636	17.44	ug/l	97
44) Trichloroethene	9.108	130	88082	18.48	ug/l	83
45) 1,2-Dichloropropane	9.385	63	92795	18.81	ug/l	96
46) Dibromomethane	9.473	93	47793	18.88	ug/l	99
47) Bromodichloromethane	9.655	83	123439	18.89	ug/l	99
48) Methyl methacrylate	9.455	41	33764	18.04	ug/l	94
49) 1,4-Dioxane	9.461	88	9124	354.62	ug/l	99
51) 4-Methyl-2-Pentanone	10.226	43	183275	88.97	ug/l	99
52) Toluene	10.397	92	236375	19.90	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	103807	18.15	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	128028	18.59	ug/l	98
55) 1,1,2-Trichloroethane	10.791	97	64735	18.77	ug/l	99
56) Ethyl methacrylate	10.655	69	66800	17.14	ug/l	100
57) 1,3-Dichloropropane	10.938	76	108829	18.55	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.938	63	144979	87.23	ug/l	100
59) 2-Hexanone	10.979	43	123141	79.99	ug/l	98
60) Dibromochloromethane	11.132	129	77482	18.65	ug/l	99
61) 1,2-Dibromoethane	11.238	107	59484	18.52	ug/l	100
64) Tetrachloroethene	10.873	164	73019	19.50	ug/l	94
65) Chlorobenzene	11.661	112	235405	18.91	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	84753	18.30	ug/l	95
67) Ethyl Benzene	11.738	91	399560	18.60	ug/l	100
68) m/p-Xylenes	11.844	106	333846	39.45	ug/l	97
69) o-Xylene	12.173	106	143738	19.10	ug/l	98
70) Styrene	12.185	104	256308	19.33	ug/l	99
71) Bromoform	12.349	173	41408	19.04	ug/l #	100
73) Isopropylbenzene	12.467	105	370326	17.66	ug/l	99
74) N-amyl acetate	12.279	43	66839	16.91	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	72314	17.64	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	54696m	21.01	ug/l	
77) Bromobenzene	12.749	156	85390	18.21	ug/l	99
78) n-propylbenzene	12.808	91	491550	18.52	ug/l	99
79) 2-Chlorotoluene	12.896	91	293036	18.82	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	336230	18.80	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	18901	16.12	ug/l	94
82) 4-Chlorotoluene	12.991	91	314087	19.30	ug/l	100
83) tert-Butylbenzene	13.214	119	265569	17.97	ug/l	100
84) 1,2,4-Trimethylbenzene	13.255	105	328815	18.48	ug/l	97
85) sec-Butylbenzene	13.391	105	417883	18.24	ug/l	99
86) p-Isopropyltoluene	13.502	119	340280	18.18	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	186166	18.91	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	180903	18.53	ug/l	98
89) n-Butylbenzene	13.832	91	317002	17.74	ug/l	99
90) Hexachloroethane	14.096	117	72478	17.91	ug/l	97
91) 1,2-Dichlorobenzene	13.879	146	156676	18.66	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.491	75	10360	17.50	ug/l	99
93) 1,2,4-Trichlorobenzene	15.149	180	81417	18.01	ug/l	98
94) Hexachlorobutadiene	15.249	225	52035	18.22	ug/l	94
95) Naphthalene	15.385	128	138034	16.87	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	71055	17.85	ug/l	95

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

