

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101221\
 Data File : VD070673.D
 Acq On : 12 Oct 2021 12:16
 Operator : VA/SY
 Sample : VD1012SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1012SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/15/2021 1:18:37 AM

Quant Time: Oct 13 06:34:24 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	319606	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	553817	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	526752	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	259448	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	185204	49.24	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.48%		
35) Dibromofluoromethane	7.908	113	187351	50.88	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.76%		
50) Toluene-d8	10.332	98	737492	52.39	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	104.78%		
62) 4-Bromofluorobenzene	12.620	95	247380	52.58	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	105.16%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	79656	20.43	ug/l	96
3) Chloromethane	2.209	50	97229	20.09	ug/l	97
4) Vinyl Chloride	2.344	62	114185	21.29	ug/l	98
5) Bromomethane	2.750	94	75435	21.09	ug/l	95
6) Chloroethane	2.909	64	66245	19.34	ug/l	96
7) Trichlorofluoromethane	3.268	101	149665	21.53	ug/l	100
8) Diethyl Ether	3.703	74	35412	19.58	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.091	101	92812	22.03	ug/l	98
10) Methyl Iodide	4.291	142	66315	15.91	ug/l	95
11) Tert butyl alcohol	5.226	59	18982m	101.87	ug/l	
12) 1,1-Dichloroethene	4.067	96	78819	21.02	ug/l	80
13) Acrolein	3.920	56	15642	87.44	ug/l	99
14) Allyl chloride	4.715	41	98795	18.92	ug/l	98
15) Acrylonitrile	5.426	53	81917	104.40	ug/l	99
16) Acetone	4.156	43	68001	106.46	ug/l	91
17) Carbon Disulfide	4.409	76	268286	19.59	ug/l	98
18) Methyl Acetate	4.715	43	51414	20.86	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	151816	20.32	ug/l	94
20) Methylene Chloride	4.962	84	106103	17.58	ug/l	98
21) trans-1,2-Dichloroethene	5.467	96	91319	20.70	ug/l	93
22) Diisopropyl ether	6.361	45	214887	20.04	ug/l	97
23) Vinyl Acetate	6.303	43	450658	92.42	ug/l	96
24) 1,1-Dichloroethane	6.261	63	157063	19.88	ug/l	98
25) 2-Butanone	7.214	43	88944	106.36	ug/l	99
26) 2,2-Dichloropropane	7.208	77	136014	20.81	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	94617	20.41	ug/l	98
28) Bromochloromethane	7.544	49	50655	18.42	ug/l	96
29) Tetrahydrofuran	7.561	42	54148	100.46	ug/l	98
30) Chloroform	7.708	83	167904	20.43	ug/l	97
31) Cyclohexane	7.979	56	137924	19.80	ug/l #	91
32) 1,1,1-Trichloroethane	7.897	97	153057	21.62	ug/l	97
36) 1,1-Dichloropropene	8.108	75	128154	21.79	ug/l	98
37) Ethyl Acetate	7.291	43	36429	18.64	ug/l #	93
38) Carbon Tetrachloride	8.091	117	135899	22.08	ug/l	96
39) Methylcyclohexane	9.350	83	143743	21.25	ug/l	98
40) Benzene	8.350	78	363609	20.97	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	23181m	23.00	ug/l	
42) 1,2-Dichloroethane	8.420	62	96747	21.58	ug/l	98
43) Isopropyl Acetate	8.450	43	73514	20.53	ug/l	95
44) Trichloroethene	9.108	130	92508	21.64	ug/l	100
45) 1,2-Dichloropropane	9.379	63	93177	21.06	ug/l	95
46) Dibromomethane	9.467	93	48401	21.31	ug/l	97
47) Bromodichloromethane	9.655	83	121927	20.81	ug/l	97
48) Methyl methacrylate	9.450	41	35537	21.17	ug/l	93
49) 1,4-Dioxane	9.455	88	10296	446.21	ug/l	93
51) 4-Methyl-2-Pentanone	10.220	43	198916	107.68	ug/l	100
52) Toluene	10.397	92	234063	21.98	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	105074	20.49	ug/l	95
54) cis-1,3-Dichloropropene	10.085	75	122418	19.83	ug/l	99
55) 1,1,2-Trichloroethane	10.797	97	67081	21.68	ug/l	98
56) Ethyl methacrylate	10.655	69	70127	19.83	ug/l	99
57) 1,3-Dichloropropane	10.938	76	112575	21.39	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	152229	102.14	ug/l	96
59) 2-Hexanone	10.979	43	139127	101.73	ug/l	99
60) Dibromochloromethane	11.132	129	81269	21.81	ug/l	100
61) 1,2-Dibromoethane	11.238	107	63011	21.88	ug/l	98
64) Tetrachloroethene	10.873	164	74960	22.19	ug/l	89
65) Chlorobenzene	11.661	112	243237	21.66	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	92077	22.04	ug/l	100
67) Ethyl Benzene	11.738	91	412893	21.30	ug/l	100
68) m/p-Xylenes	11.844	106	341483	44.74	ug/l	98
69) o-Xylene	12.173	106	147153	21.67	ug/l	99
70) Styrene	12.185	104	263311	22.01	ug/l	99
71) Bromoform	12.349	173	43620	22.24	ug/l #	100
73) Isopropylbenzene	12.473	105	396175	20.94	ug/l	100
74) N-amyl acetate	12.279	43	71710	20.12	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	77501	20.96	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	48253m	20.55	ug/l	
77) Bromobenzene	12.749	156	89978	21.28	ug/l	98
78) n-propylbenzene	12.808	91	520736	21.75	ug/l	99
79) 2-Chlorotoluene	12.896	91	291073	20.73	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	354720	21.99	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	19008	17.97	ug/l	95
82) 4-Chlorotoluene	12.996	91	316367	21.55	ug/l	100
83) tert-Butylbenzene	13.214	119	279914	20.99	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	353081	22.00	ug/l	98
85) sec-Butylbenzene	13.391	105	448703	21.71	ug/l	98
86) p-Isopropyltoluene	13.502	119	365902	21.68	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	191791	21.60	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	187658	21.32	ug/l	99
89) n-Butylbenzene	13.832	91	342771	21.27	ug/l	99
90) Hexachloroethane	14.096	117	74628	20.45	ug/l	95
91) 1,2-Dichlorobenzene	13.873	146	162845	21.51	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.485	75	10808	20.24	ug/l	99
93) 1,2,4-Trichlorobenzene	15.143	180	94234	23.12	ug/l	97
94) Hexachlorobutadiene	15.249	225	61719	23.96	ug/l	99
95) Naphthalene	15.379	128	150436	19.86	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	80919	22.54	ug/l	100

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

