

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101221\
 Data File : VD070674.D
 Acq On : 12 Oct 2021 12:44
 Operator : VA/SY
 Sample : VD1012SBSD01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1012SBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/15/2021 1:18:38 AM

Quant Time: Oct 13 06:34:59 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	326482	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	561591	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	534968	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	259614	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	184073	47.91	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 95.82%			
35) Dibromofluoromethane	7.908	113	195889	52.46	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.92%			
50) Toluene-d8	10.332	98	770573	53.99	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.98%			
62) 4-Bromofluorobenzene	12.620	95	258692	54.23	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.46%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	76263	19.15	ug/l	99
3) Chloromethane	2.209	50	93009	18.81	ug/l	99
4) Vinyl Chloride	2.350	62	109535	19.99	ug/l	93
5) Bromomethane	2.750	94	69851	18.76	ug/l	96
6) Chloroethane	2.915	64	61258	17.51	ug/l	99
7) Trichlorofluoromethane	3.267	101	141739	19.96	ug/l	100
8) Diethyl Ether	3.709	74	33614	18.20	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.091	101	81954	19.04	ug/l	97
10) Methyl Iodide	4.303	142	70918	16.62	ug/l	97
11) Tert butyl alcohol	5.232	59	17020m	89.42	ug/l	
12) 1,1-Dichloroethene	4.067	96	74062	19.33	ug/l	93
13) Acrolein	3.920	56	15631	85.54	ug/l	99
14) Allyl chloride	4.714	41	98044	18.38	ug/l	99
15) Acrylonitrile	5.420	53	76111	94.96	ug/l	98
16) Acetone	4.156	43	63607	97.49	ug/l	97
17) Carbon Disulfide	4.409	76	255421	18.26	ug/l	100
18) Methyl Acetate	4.720	43	47984	19.06	ug/l	99
19) Methyl tert-butyl Ether	5.479	73	146413	19.18	ug/l	96
20) Methylene Chloride	4.961	84	102403	16.11	ug/l	96
21) trans-1,2-Dichloroethene	5.467	96	84008	18.64	ug/l	93
22) Diisopropyl ether	6.361	45	208115	19.00	ug/l	97
23) Vinyl Acetate	6.303	43	431798	86.69	ug/l	97
24) 1,1-Dichloroethane	6.261	63	149892	18.58	ug/l	96
25) 2-Butanone	7.214	43	80920	94.72	ug/l	99
26) 2,2-Dichloropropane	7.203	77	131801	19.74	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	92085	19.45	ug/l	97
28) Bromochloromethane	7.538	49	48409	17.23	ug/l	95
29) Tetrahydrofuran	7.555	42	50790	92.24	ug/l	97
30) Chloroform	7.708	83	161060	19.19	ug/l	100
31) Cyclohexane	7.985	56	132333	18.60	ug/l	97
32) 1,1,1-Trichloroethane	7.897	97	144648	20.01	ug/l	99
36) 1,1-Dichloropropene	8.108	75	123307	20.67	ug/l	99
37) Ethyl Acetate	7.291	43	34595	17.46	ug/l #	93
38) Carbon Tetrachloride	8.091	117	129808	20.80	ug/l	94
39) Methylcyclohexane	9.349	83	132722	19.35	ug/l	96
40) Benzene	8.350	78	358912	20.42	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	21349	20.89	ug/l #	87
42) 1,2-Dichloroethane	8.426	62	91882	20.21	ug/l	98
43) Isopropyl Acetate	8.450	43	71199	19.61	ug/l	98
44) Trichloroethene	9.108	130	88581	20.43	ug/l	99
45) 1,2-Dichloropropane	9.385	63	89615	19.98	ug/l	95
46) Dibromomethane	9.473	93	45381	19.71	ug/l	98
47) Bromodichloromethane	9.655	83	119624	20.13	ug/l	99
48) Methyl methacrylate	9.455	41	30850	18.13	ug/l	89
49) 1,4-Dioxane	9.455	88	9147	390.93	ug/l	98
51) 4-Methyl-2-Pentanone	10.220	43	182280	97.30	ug/l	99
52) Toluene	10.396	92	230638	21.36	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	100345	19.29	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	121254	19.37	ug/l	97
55) 1,1,2-Trichloroethane	10.791	97	64024	20.41	ug/l	96
56) Ethyl methacrylate	10.655	69	64434	18.10	ug/l	99
57) 1,3-Dichloropropane	10.938	76	108314	20.30	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	150469	99.56	ug/l	98
59) 2-Hexanone	10.979	43	126905	91.14	ug/l	100
60) Dibromochloromethane	11.132	129	76126	20.14	ug/l	99
61) 1,2-Dibromoethane	11.238	107	58623	20.07	ug/l	98
64) Tetrachloroethene	10.867	164	72970	21.27	ug/l	94
65) Chlorobenzene	11.661	112	231049	20.25	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	85301	20.10	ug/l	97
67) Ethyl Benzene	11.738	91	395938	20.11	ug/l	99
68) m/p-Xylenes	11.843	106	328375	42.36	ug/l	97
69) o-Xylene	12.173	106	138446	20.08	ug/l	98
70) Styrene	12.185	104	248313	20.44	ug/l	99
71) Bromoform	12.355	173	41175	20.67	ug/l #	97
73) Isopropylbenzene	12.473	105	374226	19.77	ug/l	100
74) N-amyl acetate	12.279	43	66736	18.71	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.720	83	72434	19.57	ug/l	100
76) 1,2,3-Trichloropropane	12.767	75	43204m	18.39	ug/l	
77) Bromobenzene	12.749	156	84252	19.91	ug/l	99
78) n-propylbenzene	12.808	91	487447	20.35	ug/l	100
79) 2-Chlorotoluene	12.896	91	285341	20.31	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	337381	20.90	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	19069	18.02	ug/l	96
82) 4-Chlorotoluene	12.990	91	304479	20.73	ug/l	100
83) tert-Butylbenzene	13.208	119	268339	20.11	ug/l	100
84) 1,2,4-Trimethylbenzene	13.255	105	333953	20.79	ug/l	99
85) sec-Butylbenzene	13.390	105	431383	20.86	ug/l	98
86) p-Isopropyltoluene	13.502	119	351162	20.79	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	183078	20.60	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	178177	20.23	ug/l	98
89) n-Butylbenzene	13.832	91	327245	20.29	ug/l	99
90) Hexachloroethane	14.096	117	72122	19.75	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	157988	20.85	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	10963	20.52	ug/l	97
93) 1,2,4-Trichlorobenzene	15.143	180	85655	21.00	ug/l	97
94) Hexachlorobutadiene	15.249	225	53424	20.73	ug/l	95
95) Naphthalene	15.384	128	138968	18.53	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	72295	20.12	ug/l	97

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

