

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101121\
 Data File : VD070654.D
 Acq On : 11 Oct 2021 12:23
 Operator : VA/SY
 Sample : VD1011SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1011SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/15/2021 1:18:14 AM

Quant Time: Oct 12 05:38:28 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	7.973	168	320168	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	593895	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	558918	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	263158	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	193721	51.41	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.82%			
35) Dibromofluoromethane	7.914	113	204998	51.92	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.84%			
50) Toluene-d8	10.332	98	787405	52.16	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.32%			
62) 4-Bromofluorobenzene	12.620	95	274742	54.46	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.92%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	73138	18.73	ug/l	95
3) Chloromethane	2.209	50	98089	20.23	ug/l	98
4) Vinyl Chloride	2.350	62	109097	20.31	ug/l	98
5) Bromomethane	2.756	94	77530	21.74	ug/l	99
6) Chloroethane	2.915	64	63608	18.54	ug/l	98
7) Trichlorofluoromethane	3.273	101	139474	20.03	ug/l	92
8) Diethyl Ether	3.715	74	38988	21.52	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.097	101	81949	19.42	ug/l	99
10) Methyl Iodide	4.297	142	69526	16.61	ug/l	99
11) Tert butyl alcohol	5.220	59	19570	104.85	ug/l #	93
12) 1,1-Dichloroethene	4.067	96	74762	19.90	ug/l	93
13) Acrolein	3.920	56	17352	96.83	ug/l	99
14) Allyl chloride	4.715	41	101588	19.42	ug/l	96
15) Acrylonitrile	5.414	53	82725	105.25	ug/l	99
16) Acetone	4.150	43	61452	96.04	ug/l #	84
17) Carbon Disulfide	4.409	76	262339	19.13	ug/l	100
18) Methyl Acetate	4.709	43	54920	22.24	ug/l	97
19) Methyl tert-butyl Ether	5.479	73	159235	21.27	ug/l	96
20) Methylene Chloride	4.962	84	117158	20.30	ug/l	93
21) trans-1,2-Dichloroethene	5.467	96	91016	20.60	ug/l	92
22) Diisopropyl ether	6.361	45	232384	21.63	ug/l	97
23) Vinyl Acetate	6.303	43	473634	96.96	ug/l	100
24) 1,1-Dichloroethane	6.261	63	161203	20.37	ug/l	99
25) 2-Butanone	7.208	43	83105	99.20	ug/l	96
26) 2,2-Dichloropropane	7.203	77	137267	20.96	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	101097	21.77	ug/l	97
28) Bromochloromethane	7.544	49	49045	17.80	ug/l	96
29) Tetrahydrofuran	7.561	42	54994	101.85	ug/l	98
30) Chloroform	7.708	83	171522	20.84	ug/l	96
31) Cyclohexane	7.979	56	135205	19.38	ug/l #	95
32) 1,1,1-Trichloroethane	7.903	97	145615	20.54	ug/l	99
36) 1,1-Dichloropropene	8.108	75	127054	20.14	ug/l	98
37) Ethyl Acetate	7.291	43	40641	19.39	ug/l	98
38) Carbon Tetrachloride	8.097	117	130280	19.74	ug/l	95
39) Methylcyclohexane	9.350	83	134833	18.59	ug/l	99
40) Benzene	8.350	78	371640	19.99	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	20384	18.86	ug/l	96
42) 1,2-Dichloroethane	8.420	62	95765	19.92	ug/l	100
43) Isopropyl Acetate	8.450	43	74745	19.47	ug/l	96
44) Trichloroethene	9.108	130	92506	20.18	ug/l	99
45) 1,2-Dichloropropane	9.385	63	95765	20.18	ug/l	97
46) Dibromomethane	9.467	93	49073	20.15	ug/l	98
47) Bromodichloromethane	9.655	83	127070	20.22	ug/l	97
48) Methyl methacrylate	9.450	41	33357	18.53	ug/l #	87
49) 1,4-Dioxane	9.461	88	10587	427.86	ug/l	94
51) 4-Methyl-2-Pentanone	10.220	43	196566	99.22	ug/l	98
52) Toluene	10.397	92	240462	21.05	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	113344	20.61	ug/l	100
54) cis-1,3-Dichloropropene	10.085	75	135313	20.43	ug/l	99
55) 1,1,2-Trichloroethane	10.791	97	68099	20.53	ug/l	95
56) Ethyl methacrylate	10.655	69	72310	19.12	ug/l	98
57) 1,3-Dichloropropane	10.938	76	113608	20.13	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	156129	97.68	ug/l	98
59) 2-Hexanone	10.979	43	132169	89.70	ug/l	98
60) Dibromochloromethane	11.132	129	80116	20.05	ug/l	100
61) 1,2-Dibromoethane	11.238	107	60698	19.65	ug/l	98
64) Tetrachloroethene	10.873	164	70975	19.80	ug/l	90
65) Chlorobenzene	11.661	112	247420	20.76	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	89115	20.10	ug/l	97
67) Ethyl Benzene	11.738	91	419387	20.39	ug/l	98
68) m/p-Xylenes	11.844	106	340641	42.06	ug/l	98
69) o-Xylene	12.173	106	149733	20.78	ug/l	99
70) Styrene	12.185	104	271661	21.40	ug/l	97
71) Bromoform	12.349	173	43048	20.68	ug/l #	98
73) Isopropylbenzene	12.473	105	392432	20.45	ug/l	100
74) N-amyl acetate	12.279	43	70748	19.57	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	73942	19.71	ug/l	96
76) 1,2,3-Trichloropropane	12.773	75	57392m	24.10	ug/l	
77) Bromobenzene	12.749	156	87765	20.46	ug/l	99
78) n-propylbenzene	12.808	91	497631	20.50	ug/l	99
79) 2-Chlorotoluene	12.896	91	298084	20.93	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	344365	21.05	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	19991	18.63	ug/l	97
82) 4-Chlorotoluene	12.996	91	315845	21.21	ug/l	99
83) tert-Butylbenzene	13.214	119	271828	20.10	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	340751	20.93	ug/l	99
85) sec-Butylbenzene	13.391	105	418942	19.98	ug/l	98
86) p-Isopropyltoluene	13.502	119	345341	20.17	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	188495	20.93	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	185373	20.76	ug/l	99
89) n-Butylbenzene	13.832	91	321600	19.67	ug/l	99
90) Hexachloroethane	14.096	117	72100	19.48	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	159926	20.82	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	11243	20.76	ug/l	96
93) 1,2,4-Trichlorobenzene	15.143	180	84455	20.43	ug/l	99
94) Hexachlorobutadiene	15.249	225	51286	19.63	ug/l	99
95) Naphthalene	15.385	128	152188	19.82	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	73798	20.26	ug/l	98

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

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