

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030221\
 Data File : VD068487.D
 Acq On : 02 Mar 2021 10:53
 Operator : VA/SY
 Sample : VD0302SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0302SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/3/2021 11:00:00 AM

Quant Time: Mar 02 23:55:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 26 14:04:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	302036	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	506949	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	463786	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	221307	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	142527	47.23	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.46%		
35) Dibromofluoromethane	7.914	113	149115	48.83	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.66%		
50) Toluene-d8	10.344	98	581381	47.80	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.60%		
62) 4-Bromofluorobenzene	12.632	95	189263	48.28	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.56%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	57481	19.61	ug/l	92
3) Chloromethane	2.209	50	69006	18.63	ug/l	99
4) Vinyl Chloride	2.350	62	85301	19.39	ug/l	95
5) Bromomethane	2.756	94	62328	19.90	ug/l	95
6) Chloroethane	2.920	64	53342	18.75	ug/l	93
7) Trichlorofluoromethane	3.267	101	97283	19.39	ug/l	95
8) Diethyl Ether	3.709	74	28697	19.21	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.097	101	60348	19.74	ug/l	94
10) Methyl Iodide	4.291	142	56541	17.28	ug/l	95
11) Tert butyl alcohol	5.232	59	15513	96.28	ug/l #	89
12) 1,1-Dichloroethene	4.067	96	56599	18.66	ug/l	89
13) Acrolein	3.926	56	22152	96.19	ug/l	98
14) Allyl chloride	4.709	41	72553	18.53	ug/l	98
15) Acrylonitrile	5.420	53	61217	97.09	ug/l	100
16) Acetone	4.156	43	46010	95.99	ug/l	97
17) Carbon Disulfide	4.409	76	188451	18.96	ug/l	99
18) Methyl Acetate	4.720	43	23288	18.85	ug/l #	70
19) Methyl tert-butyl Ether	5.479	73	125958	19.15	ug/l	94
20) Methylene Chloride	4.962	84	74436	18.11	ug/l	94
21) trans-1,2-Dichloroethene	5.473	96	68440	18.90	ug/l	92
22) Diisopropyl ether	6.361	45	157741	18.29	ug/l	96
23) Vinyl Acetate	6.308	43	406785	90.91	ug/l	97
24) 1,1-Dichloroethane	6.261	63	112484	19.03	ug/l	98
25) 2-Butanone	7.208	43	62718	91.02	ug/l	96
26) 2,2-Dichloropropane	7.214	77	94721	19.23	ug/l	97
27) cis-1,2-Dichloroethene	7.203	96	75929	19.10	ug/l	96
28) Bromochloromethane	7.544	49	44493	19.28	ug/l	81
29) Tetrahydrofuran	7.561	42	40780	91.14	ug/l	99
30) Chloroform	7.714	83	121301	19.43	ug/l	97
31) Cyclohexane	7.985	56	102612	18.70	ug/l	96
32) 1,1,1-Trichloroethane	7.903	97	103608	19.44	ug/l	96
36) 1,1-Dichloropropene	8.108	75	94742	19.66	ug/l	97
37) Ethyl Acetate	7.291	43	30882	19.32	ug/l	97
38) Carbon Tetrachloride	8.097	117	93015	20.54	ug/l	98
39) Methylcyclohexane	9.355	83	115613	19.45	ug/l	97
40) Benzene	8.350	78	266449	19.28	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	15553	16.76	ug/l #	86
42) 1,2-Dichloroethane	8.426	62	69801	19.20	ug/l	99
43) Isopropyl Acetate	8.455	43	56332	19.17	ug/l	99
44) Trichloroethene	9.114	130	76939	20.28	ug/l	92
45) 1,2-Dichloropropane	9.385	63	65857	19.93	ug/l	91
46) Dibromomethane	9.479	93	35572	19.79	ug/l	94
47) Bromodichloromethane	9.661	83	93407	20.09	ug/l	99
48) Methyl methacrylate	9.455	41	29474	18.82	ug/l	94
49) 1,4-Dioxane	9.461	88	8442	411.78	ug/l #	88
51) 4-Methyl-2-Pentanone	10.232	43	145018	94.31	ug/l	99
52) Toluene	10.402	92	173954	19.71	ug/l	94
53) t-1,3-Dichloropropene	10.620	75	84360	19.63	ug/l	100
54) cis-1,3-Dichloropropene	10.091	75	101128	19.29	ug/l	99
55) 1,1,2-Trichloroethane	10.802	97	50358	20.24	ug/l	94
56) Ethyl methacrylate	10.661	69	54247	18.97	ug/l	97
57) 1,3-Dichloropropane	10.949	76	86071	19.82	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.944	63	139221	97.04	ug/l	95
59) 2-Hexanone	10.985	43	98813	96.41	ug/l	98
60) Dibromochloromethane	11.144	129	61780	20.06	ug/l	100
61) 1,2-Dibromoethane	11.249	107	48460	19.91	ug/l	99
64) Tetrachloroethene	10.879	164	63009	20.81	ug/l	95
65) Chlorobenzene	11.673	112	190892	20.21	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.743	131	66601	20.29	ug/l	97
67) Ethyl Benzene	11.743	91	334286	19.83	ug/l	98
68) m/p-Xylenes	11.855	106	254187	39.70	ug/l	98
69) o-Xylene	12.179	106	117128	19.86	ug/l	93
70) Styrene	12.196	104	200193	19.85	ug/l	98
71) Bromoform	12.361	173	34314	20.57	ug/l #	98
73) Isopropylbenzene	12.479	105	321862	19.61	ug/l	100
74) N-amyl acetate	12.285	43	50335	18.00	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.732	83	53953	19.11	ug/l	98
76) 1,2,3-Trichloropropane	12.785	75	39463m	20.09	ug/l	
77) Bromobenzene	12.761	156	73585	19.65	ug/l	93
78) n-propylbenzene	12.820	91	376862	19.22	ug/l	98
79) 2-Chlorotoluene	12.908	91	207561	19.07	ug/l	100
80) 1,3,5-Trimethylbenzene	12.955	105	263454	19.58	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.526	75	16030	19.04	ug/l	96
82) 4-Chlorotoluene	13.002	91	226587	19.78	ug/l	97
83) tert-Butylbenzene	13.220	119	225445	19.68	ug/l	100
84) 1,2,4-Trimethylbenzene	13.267	105	259159	19.24	ug/l	97
85) sec-Butylbenzene	13.396	105	319783	19.76	ug/l	98
86) p-Isopropyltoluene	13.514	119	292445	19.91	ug/l	98
87) 1,3-Dichlorobenzene	13.514	146	141561	19.57	ug/l	97
88) 1,4-Dichlorobenzene	13.596	146	140352	19.58	ug/l	98
89) n-Butylbenzene	13.843	91	271019	19.13	ug/l	99
90) Hexachloroethane	14.108	117	58861	20.16	ug/l	91
91) 1,2-Dichlorobenzene	13.890	146	121810	19.63	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.502	75	9244	18.57	ug/l	92
93) 1,2,4-Trichlorobenzene	15.161	180	92717	19.34	ug/l	98
94) Hexachlorobutadiene	15.267	225	52795	19.85	ug/l	98
95) Naphthalene	15.396	128	167831	19.34	ug/l	99
96) 1,2,3-Trichlorobenzene	15.590	180	82436	19.87	ug/l	98

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

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