

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012420\
 Data File : VD064938.D
 Acq On : 24 Jan 2020 12:51
 Operator : VA/SY
 Sample : VD0124SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0124SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/27/2020 12:03:07 PM

Quant Time: Jan 25 02:54:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	448767	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	665052	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	589492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	282806	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	206759	48.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.06%	
35) Dibromofluoromethane	7.92	113	203508	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
50) Toluene-d8	10.34	98	780013	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
62) 4-Bromofluorobenzene	12.64	95	240574	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	68217	20.178	ug/l	99
3) Chloromethane	2.21	50	105079	21.207	ug/l	97
4) Vinyl Chloride	2.35	62	117359	20.622	ug/l	96
5) Bromomethane	2.76	94	76301	19.931	ug/l	97
6) Chloroethane	2.92	64	75594	20.148	ug/l	97
7) Trichlorofluoromethane	3.27	101	181490	20.649	ug/l	97
8) Diethyl Ether	3.71	74	38823	19.567	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	83371	20.389	ug/l	98
10) Methyl Iodide	4.29	142	70105	16.151	ug/l	96
11) Tert butyl alcohol	5.25	59	19840	83.404	ug/l	98
12) 1,1-Dichloroethene	4.06	96	77709	19.893	ug/l	90
13) Acrolein	3.92	56	25923	86.930	ug/l	96
14) Allyl chloride	4.71	41	122897	19.725	ug/l	99
15) Acrylonitrile	5.43	53	81690	95.075	ug/l	96
16) Acetone	4.17	43	78414	77.972	ug/l	100
17) Carbon Disulfide	4.40	76	258218	20.085	ug/l	97
18) Methyl Acetate	4.73	43	38757	19.224	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	163796	18.766	ug/l	95
20) Methylene Chloride	4.96	84	93490	18.274	ug/l	96
21) trans-1,2-Dichloroethene	5.46	96	89820	19.957	ug/l	92
22) Diisopropyl ether	6.37	45	248422	20.007	ug/l	98
23) Vinyl Acetate	6.31	43	668691	91.982	ug/l	100
24) 1,1-Dichloroethane	6.26	63	152125	19.955	ug/l	97
25) 2-Butanone	7.22	43	101685	87.436	ug/l	99
26) 2,2-Dichloropropane	7.20	77	134562	19.459	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	92440	19.243	ug/l	98
28) Bromochloromethane	7.54	49	50641	16.610	ug/l	97
29) Tetrahydrofuran	7.57	42	63545	88.558	ug/l	97
30) Chloroform	7.71	83	159018	20.178	ug/l	97
31) Cyclohexane	7.98	56	147769	19.703	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	149531	20.396	ug/l	99
36) 1,1-Dichloropropene	8.11	75	127559	19.891	ug/l	98
37) Ethyl Acetate	7.30	43	47395	17.892	ug/l	98
38) Carbon Tetrachloride	8.10	117	133769	19.735	ug/l #	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	145205	19.367	ug/l	95
40) Benzene	8.35	78	340091	19.255	ug/l	99
41) Methacrylonitrile	7.53	41	27458	19.242	ug/l #	90
42) 1,2-Dichloroethane	8.43	62	100762	19.152	ug/l	100
43) Isopropyl Acetate	8.46	43	90103	17.907	ug/l	97
44) Trichloroethene	9.11	130	96651	19.553	ug/l	100
45) 1,2-Dichloropropane	9.39	63	84806	19.806	ug/l	94
46) Dibromomethane	9.48	93	44887	19.202	ug/l	97
47) Bromodichloromethane	9.67	83	121054	19.901	ug/l	99
48) Methyl methacrylate	9.46	41	43700	18.873	ug/l	97
49) 1,4-Dioxane	9.47	88	10016	369.436	ug/l #	94
51) 4-Methyl-2-Pentanone	10.23	43	222847	88.512	ug/l	100
52) Toluene	10.41	92	223040	19.587	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	109168	18.841	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	131235	19.345	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	59072	18.760	ug/l	99
56) Ethyl methacrylate	10.67	69	68347	18.151	ug/l	97
57) 1,3-Dichloropropane	10.95	76	105231	19.485	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	112759	90.138	ug/l	99
59) 2-Hexanone	10.99	43	153763	88.541	ug/l	98
60) Dibromochloromethane	11.14	129	80207	19.058	ug/l	98
61) 1,2-Dibromoethane	11.25	107	57971	19.120	ug/l	98
64) Tetrachloroethene	10.88	164	85898	20.165	ug/l	97
65) Chlorobenzene	11.67	112	233274	19.490	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.74	131	88968	19.765	ug/l	99
67) Ethyl Benzene	11.75	91	420862	19.806	ug/l	97
68) m/p-Xylenes	11.86	106	320706	39.200	ug/l	98
69) o-Xylene	12.18	106	141592	19.500	ug/l	100
70) Styrene	12.20	104	255353	19.742	ug/l	99
71) Bromoform	12.37	173	47526	18.994	ug/l #	97
73) Isopropylbenzene	12.48	105	395397	20.456	ug/l	99
74) N-amyl acetate	12.30	43	82215	19.008	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	61344	18.882	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	42713m	18.196	ug/l	
77) Bromobenzene	12.77	156	97270	20.567	ug/l	97
78) n-propylbenzene	12.83	91	469691	20.433	ug/l	100
79) 2-Chlorotoluene	12.91	91	256468	20.338	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	326364	20.603	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	19752	17.967	ug/l	97
82) 4-Chlorotoluene	13.01	91	268855	20.103	ug/l	100
83) tert-Butylbenzene	13.23	119	272757	20.291	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	327271	20.395	ug/l	100
85) sec-Butylbenzene	13.41	105	386746	20.319	ug/l	100
86) p-Isopropyltoluene	13.53	119	363193	20.392	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	183521	20.224	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	185713	20.620	ug/l	99
89) n-Butylbenzene	13.86	91	333986	20.548	ug/l	100
90) Hexachloroethane	14.12	117	70355	20.484	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	153801	19.964	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10582	20.354	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	110680	20.767	ug/l	98
94) Hexachlorobutadiene	15.28	225	66707	19.788	ug/l	99
95) Naphthalene	15.41	128	159080	18.495	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	90742	19.637	ug/l	99

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

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