

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012319\
 Data File : VD060784.D
 Acq On : 23 Jan 2019 16:09
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 1/24/2019 12:49:05 PM

Quant Time: Jan 24 05:54:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 24 05:41:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.80	168	691702	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.98	114	907736	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.16	117	767908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.32	152	382556	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.22	65	97110	10.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.34%	
35) Dibromofluoromethane	6.68	113	88671	11.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.10%	
50) Toluene-d8	10.19	98	215122	11.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.66%	
62) 4-Bromofluorobenzene	13.35	95	112150	12.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	24.28%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.59	85	64375	7.352	ug/l 91
3) Chloromethane	1.77	50	44280	9.655	ug/l 100
4) Vinyl Chloride	1.86	62	41849	8.058	ug/l 98
5) Bromomethane	2.15	94	11490	7.559	ug/l 81
6) Chloroethane	2.25	64	13690	7.354	ug/l 99
7) Trichlorofluoromethane	2.50	101	82390	8.258	ug/l 94
8) Diethyl Ether	2.81	74	11325	9.598	ug/l 80
9) 1,1,2-Trichlorotrifluoroet	3.07	101	43676	8.842	ug/l 94
10) Methyl Iodide	3.22	142	39369	7.403	ug/l 99
11) Tert butyl alcohol	3.94	59	22259	42.301	ug/l 98
12) 1,1-Dichloroethene	3.05	96	30061	8.735	ug/l 94
13) Acrolein	2.95	56	12669m	64.465	ug/l
14) Allyl chloride	3.50	41	66138	9.036	ug/l 97
15) Acrylonitrile	4.06	53	58299	47.614	ug/l 97
16) Acetone	3.14	43	61356	48.547	ug/l # 90
17) Carbon Disulfide	3.29	76	101066	8.902	ug/l 98
18) Methyl Acetate	3.52	43	26912	10.118	ug/l 98
19) Methyl tert-butyl Ether	4.08	73	138049	8.468	ug/l 99
20) Methylene Chloride	3.68	84	73858	11.058	ug/l 92
21) trans-1,2-Dichloroethene	4.06	96	60241	9.179	ug/l 96
22) Diisopropyl ether	4.90	45	193218	8.597	ug/l 97
23) Vinyl Acetate	4.83	43	574405	44.662	ug/l 97
24) 1,1-Dichloroethane	4.77	63	122108	8.994	ug/l 96
25) 2-Butanone	5.85	43	91796	46.309	ug/l 93
26) 2,2-Dichloropropane	5.80	77	119013	8.846	ug/l 92
27) cis-1,2-Dichloroethene	5.80	96	63807	9.409	ug/l 86
28) Bromochloromethane	6.21	49	55168	10.013	ug/l 88
29) Tetrahydrofuran	6.23	42	46933	49.149	ug/l 96
30) Chloroform	6.43	83	135626	8.548	ug/l 95
31) Cyclohexane	6.72	56	90505	9.051	ug/l 92
32) 1,1,1-Trichloroethane	6.63	97	136017	9.109	ug/l 95
36) 1,1-Dichloropropene	6.91	75	101734	9.740	ug/l 99
37) Ethyl Acetate	5.95	43	45409	10.461	ug/l # 91
38) Carbon Tetrachloride	6.87	117	119104	9.253	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.63	83	93540	10.045	ug/l	92
40) Benzene	7.22	78	210825	9.900	ug/l	98
41) Methacrylonitrile	6.20	41	24639m	7.600	ug/l	
42) 1,2-Dichloroethane	7.34	62	104628	9.056	ug/l	99
43) Isopropyl Acetate	9.02	43	59979	8.996	ug/l	98
44) Trichloroethene	8.31	130	69991	9.265	ug/l	100
45) 1,2-Dichloropropane	8.71	63	56760	10.271	ug/l	93
46) Dibromomethane	8.83	93	42613	9.427	ug/l	90
47) Bromodichloromethane	9.14	83	104012	9.341	ug/l	95
48) Methyl methacrylate	8.89	41	44201	9.824	ug/l	96
49) 1,4-Dioxane	8.85	88	6391	168.271	ug/l #	48
51) 4-Methyl-2-Pentanone	10.08	43	217522	49.596	ug/l	100
52) Toluene	10.29	92	127068	9.534	ug/l	96
53) t-1,3-Dichloropropene	10.69	75	98030	8.996	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	96715	9.344	ug/l	96
55) 1,1,2-Trichloroethane	10.97	97	47900	10.130	ug/l	97
56) Ethyl methacrylate	10.82	69	56463	10.290	ug/l	98
57) 1,3-Dichloropropane	11.19	76	71778	8.665	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.63	63	151332	48.812	ug/l	92
59) 2-Hexanone	11.32	43	161678	49.961	ug/l	99
60) Dibromochloromethane	11.47	129	75181	10.028	ug/l	93
61) 1,2-Dibromoethane	11.60	107	53347	9.948	ug/l	98
64) Tetrachloroethene	11.03	164	62164	9.242	ug/l	98
65) Chlorobenzene	12.19	112	157920	10.259	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.30	131	65934	9.624	ug/l	98
67) Ethyl Benzene	12.31	91	280375	9.775	ug/l	98
68) m/p-Xylenes	12.46	106	201926	21.482	ug/l	99
69) o-Xylene	12.85	106	93647	10.607	ug/l	91
70) Styrene	12.87	104	148719	9.565	ug/l	99
71) Bromoform	13.03	173	47712	9.435	ug/l #	98
73) Isopropylbenzene	13.20	105	286640	10.203	ug/l	99
74) N-amyl acetate	13.06	43	90182	10.133	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.50	83	50924	9.756	ug/l	98
76) 1,2,3-Trichloropropane	13.54	75	61234	9.652	ug/l	93
77) Bromobenzene	13.47	156	69338	9.126	ug/l	94
78) n-propylbenzene	13.57	91	353477	10.040	ug/l	99
79) 2-Chlorotoluene	13.63	91	215475	10.551	ug/l	100
80) 1,3,5-Trimethylbenzene	14.04	105	238069	9.899	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.27	75	17210	9.823	ug/l	92
82) 4-Chlorotoluene	13.74	91	252177	10.663	ug/l	98
83) tert-Butylbenzene	13.99	119	259422	10.487	ug/l	92
84) 1,2,4-Trimethylbenzene	14.04	105	238069	9.899	ug/l	99
85) sec-Butylbenzene	14.17	105	293431	9.739	ug/l	98
86) p-Isopropyltoluene	14.29	119	229503	9.257	ug/l	97
87) 1,3-Dichlorobenzene	14.25	146	126608	10.026	ug/l	99
88) 1,4-Dichlorobenzene	14.34	146	131683	10.187	ug/l	92
89) n-Butylbenzene	14.60	91	251006	10.769	ug/l	99
90) Hexachloroethane	14.81	117	66095	9.073	ug/l	93
91) 1,2-Dichlorobenzene	14.61	146	113136	10.837	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.18	75	11114	8.707	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	93950	9.896	ug/l	99
94) Hexachlorobutadiene	15.84	225	71274	9.937	ug/l	97
95) Naphthalene	15.93	128	150127	10.375	ug/l	99
96) 1,2,3-Trichlorobenzene	16.07	180	80274	9.880	ug/l	94

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

