

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD103019\
 Data File : VD064111.D
 Acq On : 30 Oct 2019 13:23
 Operator : VA/SY
 Sample : VD1030SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/31/2019 3:39:20 PM

Quant Time: Oct 31 04:20:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	228456	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	339145	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	328545	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	173833	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	95831	52.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.48%	
35) Dibromofluoromethane	7.92	113	105760	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
50) Toluene-d8	10.34	98	422900	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
62) 4-Bromofluorobenzene	12.64	95	141483	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	49229	21.103	ug/l	98
3) Chloromethane	2.21	50	81223	20.868	ug/l	99
4) Vinyl Chloride	2.35	62	88461	20.958	ug/l	99
5) Bromomethane	2.76	94	57642	20.955	ug/l	88
6) Chloroethane	2.92	64	56559	21.574	ug/l	98
7) Trichlorofluoromethane	3.27	101	121605	20.929	ug/l	95
8) Diethyl Ether	3.71	74	20859	20.653	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	42951	20.512	ug/l	99
10) Methyl Iodide	4.29	142	50976	19.650	ug/l	98
11) Tert butyl alcohol	5.25	59	10099m	100.395	ug/l	
12) 1,1-Dichloroethene	4.06	96	42199	21.294	ug/l #	78
13) Acrolein	3.92	56	10666	92.067	ug/l	97
14) Allyl chloride	4.70	41	47382	20.428	ug/l	98
15) Acrylonitrile	5.43	53	39114	104.843	ug/l	96
16) Acetone	4.16	43	34840	100.780	ug/l #	88
17) Carbon Disulfide	4.40	76	126601	20.788	ug/l	96
18) Methyl Acetate	4.73	43	18955	20.613	ug/l	92
19) Methyl tert-butyl Ether	5.48	73	80601	20.043	ug/l	100
20) Methylene Chloride	4.96	84	50511	20.463	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	48131	21.636	ug/l #	90
22) Diisopropyl ether	6.37	45	100531	19.570	ug/l	95
23) Vinyl Acetate	6.31	43	293756	104.324	ug/l	95
24) 1,1-Dichloroethane	6.26	63	66937	19.296	ug/l	96
25) 2-Butanone	7.23	43	49064	102.661	ug/l #	86
26) 2,2-Dichloropropane	7.20	77	62179	18.886	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	48181	19.355	ug/l	97
28) Bromochloromethane	7.55	49	18290	15.168	ug/l	89
29) Tetrahydrofuran	7.57	42	29371	105.301	ug/l	95
30) Chloroform	7.71	83	80475	20.274	ug/l	88
31) Cyclohexane	7.98	56	65776	19.463	ug/l #	90
32) 1,1,1-Trichloroethane	7.90	97	77518	20.979	ug/l	96
36) 1,1-Dichloropropene	8.11	75	62051	19.526	ug/l	99
37) Ethyl Acetate	7.30	43	20971	21.439	ug/l #	95
38) Carbon Tetrachloride	8.10	117	71419	20.598	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	80020	20.512	ug/l	95
40) Benzene	8.36	78	171188	19.754	ug/l	97
41) Methacrylonitrile	7.53	41	11897	21.076	ug/l #	88
42) 1,2-Dichloroethane	8.43	62	44702	19.528	ug/l	98
43) Isopropyl Acetate	8.46	43	39949	20.209	ug/l	98
44) Trichloroethene	9.11	130	51982	19.791	ug/l	97
45) 1,2-Dichloropropane	9.39	63	39128	19.483	ug/l #	83
46) Dibromomethane	9.48	93	23961	19.810	ug/l	98
47) Bromodichloromethane	9.67	83	60938	19.970	ug/l #	96
48) Methyl methacrylate	9.46	41	20115	22.004	ug/l	91
49) 1,4-Dioxane	9.47	88	6130	442.745	ug/l #	85
51) 4-Methyl-2-Pentanone	10.24	43	109429	101.683	ug/l	100
52) Toluene	10.41	92	119470	19.672	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	58507	20.540	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	64333	19.197	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	34997	20.408	ug/l	95
56) Ethyl methacrylate	10.67	69	37407	19.882	ug/l	99
57) 1,3-Dichloropropane	10.96	76	53983	19.034	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	73458	97.773	ug/l	98
59) 2-Hexanone	10.99	43	77330	97.375	ug/l	100
60) Dibromochloromethane	11.14	129	45254	19.442	ug/l	98
61) 1,2-Dibromoethane	11.25	107	34985	20.397	ug/l	99
64) Tetrachloroethene	10.88	164	49135	20.817	ug/l	93
65) Chlorobenzene	11.67	112	139348	20.527	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	49155	19.351	ug/l	98
67) Ethyl Benzene	11.75	91	241314	19.986	ug/l	97
68) m/p-Xylenes	11.86	106	192003	39.534	ug/l	100
69) o-Xylene	12.18	106	86044	19.413	ug/l	98
70) Styrene	12.20	104	148436	19.418	ug/l	97
71) Bromoform	12.36	173	28365	20.909	ug/l #	94
73) Isopropylbenzene	12.48	105	236871	19.609	ug/l	95
74) N-amyl acetate	12.30	43	40223	20.043	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	38274	20.102	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	22945m	19.644	ug/l	
77) Bromobenzene	12.77	156	58411	20.027	ug/l	98
78) n-propylbenzene	12.83	91	285866	20.194	ug/l	99
79) 2-Chlorotoluene	12.91	91	154991	20.425	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	200669	19.849	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	11907	20.818	ug/l	93
82) 4-Chlorotoluene	13.01	91	163985	20.224	ug/l	99
83) tert-Butylbenzene	13.23	119	180237	19.849	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	205358	20.221	ug/l	99
85) sec-Butylbenzene	13.41	105	248666	19.941	ug/l	98
86) p-Isopropyltoluene	13.52	119	233706	19.947	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	114357	19.566	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	118439	20.557	ug/l	99
89) n-Butylbenzene	13.85	91	221772	20.522	ug/l	99
90) Hexachloroethane	14.11	117	42109	19.197	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	99357	19.753	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	6383	22.954	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	72584	20.075	ug/l	95
94) Hexachlorobutadiene	15.28	225	44607	21.109	ug/l	99
95) Naphthalene	15.41	128	127311	21.590	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	64435	20.574	ug/l	99

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

