

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101119\
 Data File : VD063930.D
 Acq On : 11 Oct 2019 11:56
 Operator : VA/SY
 Sample : VD1011SBSD01
 Misc : 5.00G/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1011SBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/15/2019 4:13:49 PM

Quant Time: Oct 12 01:50:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	177379	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	278858	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	271941	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	143382	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	77746	45.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.04%	
35) Dibromofluoromethane	7.92	113	79246	46.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.00%	
50) Toluene-d8	10.34	98	337058	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
62) 4-Bromofluorobenzene	12.64	95	105542	43.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	26341	20.940	ug/l	97
3) Chloromethane	2.21	50	75557	19.570	ug/l	99
4) Vinyl Chloride	2.35	62	88738	21.826	ug/l	100
5) Bromomethane	2.76	94	57129	21.857	ug/l	98
6) Chloroethane	2.92	64	56277	20.931	ug/l	92
7) Trichlorofluoromethane	3.27	101	123690	23.010	ug/l	94
8) Diethyl Ether	3.71	74	16062	18.616	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	32889	22.104	ug/l	95
10) Methyl Iodide	4.29	142	40054	19.536	ug/l	98
11) Tert butyl alcohol	5.25	59	9084	69.941	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	30618	20.596	ug/l	91
13) Acrolein	3.91	56	12759	82.723	ug/l	97
14) Allyl chloride	4.71	41	48905	19.787	ug/l	98
15) Acrylonitrile	5.44	53	40130	105.497	ug/l	94
16) Acetone	4.17	43	34617	76.993	ug/l	98
17) Carbon Disulfide	4.40	76	102237	18.919	ug/l	99
18) Methyl Acetate	4.72	43	19770	22.482	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	72918	18.942	ug/l	96
20) Methylene Chloride	4.96	84	40391	18.340	ug/l #	77
21) trans-1,2-Dichloroethene	5.47	96	36556	19.753	ug/l	94
22) Diisopropyl ether	6.37	45	99414	19.695	ug/l	94
23) Vinyl Acetate	6.31	43	290266	96.665	ug/l	100
24) 1,1-Dichloroethane	6.27	63	61871	19.900	ug/l	96
25) 2-Butanone	7.22	43	49163	92.266	ug/l	93
26) 2,2-Dichloropropane	7.21	77	55247	19.643	ug/l	98
27) cis-1,2-Dichloroethene	7.22	96	41011	19.579	ug/l	99
28) Bromochloromethane	7.55	49	19090	17.412	ug/l	94
29) Tetrahydrofuran	7.57	42	29323	94.284	ug/l	98
30) Chloroform	7.72	83	66535	19.703	ug/l	95
31) Cyclohexane	7.99	56	60646	21.301	ug/l	86
32) 1,1,1-Trichloroethane	7.90	97	59721	20.617	ug/l	98
36) 1,1-Dichloropropene	8.11	75	54700	21.454	ug/l	100
37) Ethyl Acetate	7.30	43	23539	20.685	ug/l #	73
38) Carbon Tetrachloride	8.10	117	55026	21.357	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	66084	21.080	ug/l	92
40) Benzene	8.36	78	154056	21.084	ug/l	96
41) Methacrylonitrile	7.54	41	12625m	21.357	ug/l	
42) 1,2-Dichloroethane	8.43	62	42142	19.939	ug/l	97
43) Isopropyl Acetate	8.46	43	40952	19.152	ug/l	97
44) Trichloroethene	9.11	130	42487	20.165	ug/l	83
45) 1,2-Dichloropropane	9.38	63	35742	19.985	ug/l	90
46) Dibromomethane	9.48	93	19686	19.328	ug/l	93
47) Bromodichloromethane	9.66	83	50301	19.182	ug/l	99
48) Methyl methacrylate	9.46	41	18093	17.660	ug/l	95
49) 1,4-Dioxane	9.47	88	5845	420.423	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	105704	95.320	ug/l	96
52) Toluene	10.41	92	104308	20.796	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	49160	19.212	ug/l #	88
54) cis-1,3-Dichloropropene	10.09	75	59422	20.174	ug/l	92
55) 1,1,2-Trichloroethane	10.81	97	29538	20.540	ug/l	87
56) Ethyl methacrylate	10.66	69	33043	18.144	ug/l #	90
57) 1,3-Dichloropropane	10.94	76	50194	20.400	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	69685	89.020	ug/l	100
59) 2-Hexanone	10.99	43	77987	97.219	ug/l	99
60) Dibromochloromethane	11.14	129	35551	18.988	ug/l	99
61) 1,2-Dibromoethane	11.25	107	28668	20.563	ug/l	93
64) Tetrachloroethene	10.88	164	40144	21.624	ug/l	92
65) Chlorobenzene	11.67	112	114231	20.916	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.74	131	40172	19.963	ug/l	96
67) Ethyl Benzene	11.74	91	207991	21.121	ug/l	96
68) m/p-Xylenes	11.86	106	159741	42.026	ug/l	99
69) o-Xylene	12.18	106	74720	20.529	ug/l	95
70) Styrene	12.20	104	125302	20.337	ug/l	99
71) Bromoform	12.36	173	21029	19.472	ug/l #	93
73) Isopropylbenzene	12.48	105	199103	20.656	ug/l	100
74) N-amyl acetate	12.29	43	39605	19.084	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	34134	20.351	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	22371m	23.295	ug/l	
77) Bromobenzene	12.76	156	50008	20.824	ug/l	95
78) n-propylbenzene	12.83	91	239579	21.175	ug/l	99
79) 2-Chlorotoluene	12.91	91	128361	20.576	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	167890	20.878	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	9625	17.736	ug/l	87
82) 4-Chlorotoluene	13.00	91	135712	20.507	ug/l	99
83) tert-Butylbenzene	13.23	119	144985	20.259	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	169774	20.479	ug/l	99
85) sec-Butylbenzene	13.40	105	211680	21.902	ug/l	98
86) p-Isopropyltoluene	13.52	119	188203	20.579	ug/l	97
87) 1,3-Dichlorobenzene	13.52	146	95452	20.116	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	95711	20.446	ug/l	99
89) n-Butylbenzene	13.85	91	185446	21.784	ug/l	98
90) Hexachloroethane	14.11	117	34532	20.994	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	85653	20.946	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5228	18.513	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	61066	19.354	ug/l	98
94) Hexachlorobutadiene	15.27	225	35119	20.170	ug/l	93
95) Naphthalene	15.40	128	105257	19.848	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	50489	18.546	ug/l	92

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

