

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101019\
 Data File : VD063904.D
 Acq On : 10 Oct 2019 12:23
 Operator : VA/SY
 Sample : VD1010SBS01
 Misc : 5.00G/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/11/2019 10:24:05 AM

Quant Time: Oct 11 07:51:45 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	203170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	316878	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	309235	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	161545	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	91241	46.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.26%	
35) Dibromofluoromethane	7.92	113	93174	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
50) Toluene-d8	10.34	98	394326	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
62) 4-Bromofluorobenzene	12.63	95	129285	47.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.98	85	28501	19.781	ug/l	98
3) Chloromethane	2.21	50	84584	19.019	ug/l	93
4) Vinyl Chloride	2.35	62	94230	20.235	ug/l	99
5) Bromomethane	2.76	94	57388	19.169	ug/l	91
6) Chloroethane	2.92	64	61066	19.829	ug/l #	86
7) Trichlorofluoromethane	3.27	101	130568	21.206	ug/l	99
8) Diethyl Ether	3.70	74	19260	19.489	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.08	101	37295	21.883	ug/l #	85
10) Methyl Iodide	4.30	142	44297	18.863	ug/l	98
11) Tert butyl alcohol	5.25	59	10561	71.115	ug/l #	86
12) 1,1-Dichloroethene	4.06	96	34146	20.054	ug/l	89
13) Acrolein	3.93	56	12976	73.450	ug/l	89
14) Allyl chloride	4.71	41	53313	18.832	ug/l	98
15) Acrylonitrile	5.43	53	41316	94.827	ug/l	97
16) Acetone	4.16	43	42153	81.853	ug/l	90
17) Carbon Disulfide	4.40	76	114952	18.572	ug/l #	95
18) Methyl Acetate	4.73	43	21441	21.287	ug/l #	86
19) Methyl tert-butyl Ether	5.48	73	78116	17.717	ug/l	96
20) Methylene Chloride	4.97	84	48501	19.382	ug/l	93
21) trans-1,2-Dichloroethene	5.46	96	40911	19.300	ug/l	92
22) Diisopropyl ether	6.37	45	109677	18.970	ug/l	96
23) Vinyl Acetate	6.31	43	317352	92.270	ug/l	99
24) 1,1-Dichloroethane	6.26	63	69368	19.479	ug/l	96
25) 2-Butanone	7.22	43	53610	87.840	ug/l	96
26) 2,2-Dichloropropane	7.21	77	64406	19.993	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	44499	18.547	ug/l	97
28) Bromochloromethane	7.54	49	22649	17.969	ug/l	97
29) Tetrahydrofuran	7.58	42	32713	91.832	ug/l	96
30) Chloroform	7.71	83	74499	19.261	ug/l	96
31) Cyclohexane	7.98	56	67358	20.524	ug/l #	93
32) 1,1,1-Trichloroethane	7.91	97	65546	19.755	ug/l	98
36) 1,1-Dichloropropene	8.11	75	61047	21.070	ug/l	98
37) Ethyl Acetate	7.30	43	22981	17.162	ug/l #	79
38) Carbon Tetrachloride	8.10	117	59610	20.360	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	75343	21.150	ug/l	93
40) Benzene	8.36	78	165515	19.935	ug/l	96
41) Methacrylonitrile	7.53	41	14372	21.396	ug/l #	79
42) 1,2-Dichloroethane	8.43	62	46803	19.487	ug/l	97
43) Isopropyl Acetate	8.46	43	44744	18.415	ug/l	99
44) Trichloroethene	9.11	130	47011	19.635	ug/l	100
45) 1,2-Dichloropropane	9.40	63	41167	20.257	ug/l #	86
46) Dibromomethane	9.48	93	22031	19.035	ug/l	99
47) Bromodichloromethane	9.67	83	56832	19.072	ug/l	94
48) Methyl methacrylate	9.46	41	21037	18.070	ug/l	95
49) 1,4-Dioxane	9.46	88	6186	391.564	ug/l #	91
51) 4-Methyl-2-Pentanone	10.24	43	119729	95.013	ug/l	97
52) Toluene	10.40	92	118496	20.790	ug/l	94
53) t-1,3-Dichloropropene	10.62	75	54127	18.615	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	63157	18.869	ug/l	93
55) 1,1,2-Trichloroethane	10.80	97	30800	18.848	ug/l	93
56) Ethyl methacrylate	10.67	69	36842	17.803	ug/l	96
57) 1,3-Dichloropropane	10.95	76	52208	18.672	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	78517	88.268	ug/l	100
59) 2-Hexanone	10.99	43	82100	90.067	ug/l	99
60) Dibromochloromethane	11.14	129	38149	17.931	ug/l	97
61) 1,2-Dibromoethane	11.25	107	30700	19.378	ug/l	96
64) Tetrachloroethene	10.88	164	44021	20.852	ug/l	92
65) Chlorobenzene	11.67	112	126439	20.360	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	43301	18.922	ug/l	98
67) Ethyl Benzene	11.74	91	223716	19.978	ug/l	96
68) m/p-Xylenes	11.86	106	177286	41.016	ug/l	99
69) o-Xylene	12.18	106	81460	19.682	ug/l	99
70) Styrene	12.20	104	138814	19.812	ug/l	98
71) Bromoform	12.36	173	22561	18.371	ug/l #	93
73) Isopropylbenzene	12.48	105	224517	20.674	ug/l	100
74) N-amyl acetate	12.29	43	44607	19.078	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	36264	19.190	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	28888m	26.699	ug/l	
77) Bromobenzene	12.76	156	53345	19.716	ug/l	98
78) n-propylbenzene	12.82	91	266096	20.875	ug/l	98
79) 2-Chlorotoluene	12.91	91	140653	20.011	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	186849	20.623	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	10960	17.925	ug/l	97
82) 4-Chlorotoluene	13.01	91	151337	20.297	ug/l	98
83) tert-Butylbenzene	13.23	119	163297	20.252	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	190599	20.406	ug/l	98
85) sec-Butylbenzene	13.40	105	226350	20.787	ug/l	100
86) p-Isopropyltoluene	13.51	119	210731	20.451	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	104234	19.497	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	111993	21.234	ug/l	95
89) n-Butylbenzene	13.84	91	203360	21.202	ug/l	99
90) Hexachloroethane	14.11	117	36554	19.724	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	92277	20.029	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5516	17.173	ug/l	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	68158	19.173	ug/l	99
94) Hexachlorobutadiene	15.27	225	38390	19.570	ug/l	95
95) Naphthalene	15.40	128	115476	19.327	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	58579	19.099	ug/l	99

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

