

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111419\
 Data File : VD064210.D
 Acq On : 14 Nov 2019 12:44
 Operator : VA/SY
 Sample : VD1114SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 3:06:07 PM

Quant Time: Nov 15 06:01:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	646130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	905614	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	787148	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	375820	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	270723	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
35) Dibromofluoromethane	7.91	113	270957	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
50) Toluene-d8	10.34	98	1038334	52.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.90%	
62) 4-Bromofluorobenzene	12.63	95	344724	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	114336	21.336	ug/l	96
3) Chloromethane	2.21	50	134160	23.340	ug/l	98
4) Vinyl Chloride	2.35	62	148799	24.208	ug/l	100
5) Bromomethane	2.76	94	95133	24.510	ug/l	96
6) Chloroethane	2.91	64	97501	24.824	ug/l	91
7) Trichlorofluoromethane	3.26	101	247828	24.868	ug/l	96
8) Diethyl Ether	3.70	74	54608	19.929	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	120891	21.224	ug/l	97
10) Methyl Iodide	4.29	142	112232	18.591	ug/l	100
11) Tert butyl alcohol	5.25	59	33839	91.170	ug/l #	81
12) 1,1-Dichloroethene	4.06	96	117545	21.650	ug/l	96
13) Acrolein	3.93	56	27141	86.438	ug/l	95
14) Allyl chloride	4.70	41	188233	19.609	ug/l	93
15) Acrylonitrile	5.43	53	115774	99.107	ug/l	100
16) Acetone	4.17	43	104481	82.994	ug/l	94
17) Carbon Disulfide	4.39	76	352483	20.847	ug/l	99
18) Methyl Acetate	4.72	43	69899	19.879	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	260145	20.071	ug/l	97
20) Methylene Chloride	4.96	84	127776	20.093	ug/l	93
21) trans-1,2-Dichloroethene	5.46	96	128242	20.848	ug/l	91
22) Diisopropyl ether	6.37	45	352283	19.779	ug/l	97
23) Vinyl Acetate	6.31	43	998348	100.555	ug/l	99
24) 1,1-Dichloroethane	6.26	63	218966	21.173	ug/l	99
25) 2-Butanone	7.22	43	151148	92.932	ug/l	94
26) 2,2-Dichloropropane	7.20	77	203370	20.053	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	140529	21.304	ug/l	97
28) Bromochloromethane	7.54	49	65597	18.219	ug/l	96
29) Tetrahydrofuran	7.56	42	96519	98.772	ug/l	98
30) Chloroform	7.71	83	228285	21.580	ug/l	99
31) Cyclohexane	7.98	56	215756	20.687	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	211337	20.864	ug/l	99
36) 1,1-Dichloropropene	8.11	75	176170	21.078	ug/l	99
37) Ethyl Acetate	7.30	43	69571	19.745	ug/l	99
38) Carbon Tetrachloride	8.09	117	191456	21.408	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	227022	21.466	ug/l	98
40) Benzene	8.35	78	483682	21.175	ug/l	98
41) Methacrylonitrile	7.53	41	36736	16.588	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	144198	21.018	ug/l	100
43) Isopropyl Acetate	8.46	43	139432	19.206	ug/l	99
44) Trichloroethene	9.11	130	147719	21.546	ug/l	99
45) 1,2-Dichloropropane	9.38	63	117742	21.177	ug/l	97
46) Dibromomethane	9.47	93	59226	19.898	ug/l	99
47) Bromodichloromethane	9.66	83	172659	21.535	ug/l	95
48) Methyl methacrylate	9.46	41	69452	19.564	ug/l	98
49) 1,4-Dioxane	9.47	88	14346	401.313	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	339223	97.437	ug/l	100
52) Toluene	10.40	92	317357	21.128	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	163585	20.366	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	193461	20.640	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	84634	20.960	ug/l	98
56) Ethyl methacrylate	10.66	69	108262	19.167	ug/l	96
57) 1,3-Dichloropropane	10.95	76	142853	20.286	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	231944	101.373	ug/l	99
59) 2-Hexanone	10.99	43	234495	94.674	ug/l	100
60) Dibromochloromethane	11.14	129	117420	20.840	ug/l	99
61) 1,2-Dibromoethane	11.25	107	84706	20.945	ug/l	98
64) Tetrachloroethene	10.87	164	128735	21.265	ug/l	98
65) Chlorobenzene	11.67	112	333801	20.854	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	120506	19.799	ug/l	98
67) Ethyl Benzene	11.74	91	617015	21.311	ug/l	99
68) m/p-Xylenes	11.86	106	451103	40.648	ug/l	99
69) o-Xylene	12.18	106	213387	20.732	ug/l	99
70) Styrene	12.20	104	367065	20.431	ug/l	99
71) Bromoform	12.36	173	71074	20.519	ug/l #	98
73) Isopropylbenzene	12.48	105	591834	21.455	ug/l	99
74) N-amyl acetate	12.29	43	127241	19.533	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	88417	21.272	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	65723m	21.711	ug/l	
77) Bromobenzene	12.76	156	135102	20.160	ug/l	99
78) n-propylbenzene	12.83	91	655113	20.786	ug/l	100
79) 2-Chlorotoluene	12.91	91	360799	20.277	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	479280	21.145	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	29989	19.679	ug/l	99
82) 4-Chlorotoluene	13.01	91	378264	20.382	ug/l	100
83) tert-Butylbenzene	13.23	119	422956	21.162	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	472874	21.131	ug/l	99
85) sec-Butylbenzene	13.41	105	556295	20.723	ug/l	99
86) p-Isopropyltoluene	13.52	119	516703	20.246	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	258784	20.802	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	257680	21.223	ug/l	98
89) n-Butylbenzene	13.85	91	464826	20.160	ug/l	99
90) Hexachloroethane	14.11	117	95773	20.306	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	225075	21.376	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	15330	20.628	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	170431	20.983	ug/l	98
94) Hexachlorobutadiene	15.27	225	105856	20.177	ug/l	97
95) Naphthalene	15.41	128	282062	21.184	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	143655	20.806	ug/l	100

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

