

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111219\
 Data File : VD064199.D
 Acq On : 12 Nov 2019 16:36
 Operator : VA/SY
 Sample : VD1112SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 9:39:01 AM

Quant Time: Nov 13 04:30:19 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	586943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	855791	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	750024	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	368112	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	236822	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
35) Dibromofluoromethane	7.92	113	235910	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
50) Toluene-d8	10.34	98	890424	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
62) 4-Bromofluorobenzene	12.64	95	295553	46.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	90914	18.676	ug/l	99
3) Chloromethane	2.21	50	112564	21.558	ug/l	99
4) Vinyl Chloride	2.35	62	122899	22.010	ug/l	98
5) Bromomethane	2.76	94	83119	23.574	ug/l	98
6) Chloroethane	2.92	64	84716	23.744	ug/l	97
7) Trichlorofluoromethane	3.27	101	204498	22.589	ug/l	99
8) Diethyl Ether	3.70	74	51134	20.543	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	99936	19.314	ug/l	98
10) Methyl Iodide	4.29	142	96999	17.787	ug/l	97
11) Tert butyl alcohol	5.24	59	37299m	110.626	ug/l	
12) 1,1-Dichloroethene	4.06	96	98319	19.935	ug/l	95
13) Acrolein	3.93	56	24341	85.338	ug/l	97
14) Allyl chloride	4.71	41	168945	19.374	ug/l	96
15) Acrylonitrile	5.44	53	110717	104.335	ug/l	99
16) Acetone	4.17	43	101510	88.765	ug/l	94
17) Carbon Disulfide	4.40	76	296389	19.297	ug/l	99
18) Methyl Acetate	4.73	43	63000	19.724	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	237043	20.133	ug/l	99
20) Methylene Chloride	4.96	84	114068	19.747	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	113322	20.280	ug/l	92
22) Diisopropyl ether	6.37	45	318662	19.695	ug/l	99
23) Vinyl Acetate	6.31	43	922638	102.301	ug/l	99
24) 1,1-Dichloroethane	6.27	63	186724	19.876	ug/l	98
25) 2-Butanone	7.23	43	151243	102.368	ug/l	98
26) 2,2-Dichloropropane	7.21	77	177902	19.310	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	124151	20.719	ug/l	94
28) Bromochloromethane	7.56	49	56696	17.335	ug/l	98
29) Tetrahydrofuran	7.57	42	95399	107.470	ug/l	99
30) Chloroform	7.71	83	208732	21.722	ug/l	99
31) Cyclohexane	7.98	56	176381	18.617	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	181496	19.725	ug/l	99
36) 1,1-Dichloropropene	8.11	75	152926	19.362	ug/l	99
37) Ethyl Acetate	7.30	43	64639	19.413	ug/l	99
38) Carbon Tetrachloride	8.10	117	161673	19.130	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	184603	18.471	ug/l	94
40) Benzene	8.36	78	419952	19.455	ug/l	97
41) Methacrylonitrile	7.53	41	42718	20.412	ug/l	93
42) 1,2-Dichloroethane	8.43	62	126232	19.471	ug/l	96
43) Isopropyl Acetate	8.46	43	134571	19.615	ug/l	97
44) Trichloroethene	9.11	130	130212	20.099	ug/l	99
45) 1,2-Dichloropropane	9.39	63	102540	19.517	ug/l	98
46) Dibromomethane	9.48	93	56080	19.938	ug/l	97
47) Bromodichloromethane	9.67	83	148578	19.610	ug/l	98
48) Methyl methacrylate	9.46	41	64212	19.141	ug/l	98
49) 1,4-Dioxane	9.47	88	14047	415.826	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	326098	99.120	ug/l	100
52) Toluene	10.41	92	269190	18.965	ug/l	95
53) t-1,3-Dichloropropene	10.63	75	147240	19.398	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	170700	19.272	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	78661	20.615	ug/l	98
56) Ethyl methacrylate	10.67	69	104037	19.491	ug/l	97
57) 1,3-Dichloropropane	10.95	76	134744	20.248	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	215348	99.599	ug/l	99
59) 2-Hexanone	10.99	43	229925	98.233	ug/l	99
60) Dibromochloromethane	11.14	129	106701	20.040	ug/l	98
61) 1,2-Dibromoethane	11.25	107	76298	19.964	ug/l	98
64) Tetrachloroethene	10.88	164	111846	19.390	ug/l	97
65) Chlorobenzene	11.67	112	292521	19.179	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	113354	19.546	ug/l	98
67) Ethyl Benzene	11.75	91	535119	19.397	ug/l	99
68) m/p-Xylenes	11.86	106	408881	38.667	ug/l	97
69) o-Xylene	12.18	106	189942	19.368	ug/l	99
70) Styrene	12.20	104	325098	18.990	ug/l	99
71) Bromoform	12.37	173	66073	20.019	ug/l #	100
73) Isopropylbenzene	12.48	105	509817	18.869	ug/l	100
74) N-amyl acetate	12.29	43	121418	19.029	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	81713	20.070	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	52002m	17.538	ug/l	
77) Bromobenzene	12.77	156	125968	19.190	ug/l	99
78) n-propylbenzene	12.83	91	589832	19.107	ug/l	99
79) 2-Chlorotoluene	12.91	91	325846	18.696	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	421868	19.002	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	26530	17.774	ug/l	95
82) 4-Chlorotoluene	13.01	91	341181	18.769	ug/l	98
83) tert-Butylbenzene	13.23	119	369394	18.869	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	415813	18.970	ug/l	100
85) sec-Butylbenzene	13.41	105	491944	18.710	ug/l	100
86) p-Isopropyltoluene	13.52	119	465039	18.603	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	236486	19.408	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	232471	19.548	ug/l	100
89) n-Butylbenzene	13.85	91	427937	18.949	ug/l	99
90) Hexachloroethane	14.12	117	86674	18.762	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	202154	19.601	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13444	18.469	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	157289	19.770	ug/l	99
94) Hexachlorobutadiene	15.28	225	97368	18.948	ug/l	99
95) Naphthalene	15.41	128	276797	21.224	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	132745	19.629	ug/l	99

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

