

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111219\
 Data File : VD064197.D
 Acq On : 12 Nov 2019 15:33
 Operator : VA/SY
 Sample : VD1112SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 9:38:56 AM

Quant Time: Nov 13 04:25:42 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	556781	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	805570	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	698557	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	337893	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	215848	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	
35) Dibromofluoromethane	7.92	113	215052	46.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.02%	
50) Toluene-d8	10.34	98	816720	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	
62) 4-Bromofluorobenzene	12.64	95	267294	44.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	90040	19.499	ug/l	97
3) Chloromethane	2.21	50	116363	23.493	ug/l	96
4) Vinyl Chloride	2.35	62	123986	23.408	ug/l	99
5) Bromomethane	2.77	94	87969	26.301	ug/l	95
6) Chloroethane	2.92	64	85207	25.175	ug/l	94
7) Trichlorofluoromethane	3.27	101	200900	23.394	ug/l	99
8) Diethyl Ether	3.71	74	49374	20.910	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	97907	19.947	ug/l	98
10) Methyl Iodide	4.29	142	95859	18.445	ug/l	98
11) Tert butyl alcohol	5.26	59	32233	100.780	ug/l	96
12) 1,1-Dichloroethene	4.06	96	98419	21.036	ug/l	96
13) Acrolein	3.92	56	25252	93.328	ug/l	96
14) Allyl chloride	4.71	41	172351	20.835	ug/l	97
15) Acrylonitrile	5.44	53	100644	99.981	ug/l	96
16) Acetone	4.17	43	98929	91.194	ug/l	93
17) Carbon Disulfide	4.40	76	301351	20.683	ug/l	100
18) Methyl Acetate	4.73	43	62930	20.770	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	236481	21.173	ug/l	96
20) Methylene Chloride	4.96	84	124599	22.738	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	113039	21.326	ug/l	98
22) Diisopropyl ether	6.37	45	319577	20.822	ug/l	99
23) Vinyl Acetate	6.31	43	904489	105.721	ug/l	99
24) 1,1-Dichloroethane	6.27	63	192738	21.628	ug/l	98
25) 2-Butanone	7.23	43	140747	100.425	ug/l	97
26) 2,2-Dichloropropane	7.21	77	175380	20.068	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	124827	21.960	ug/l	96
28) Bromochloromethane	7.56	49	49189	15.854	ug/l	96
29) Tetrahydrofuran	7.57	42	87837	104.312	ug/l	98
30) Chloroform	7.71	83	206872	22.694	ug/l	98
31) Cyclohexane	7.98	56	173444	19.298	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	182890	20.953	ug/l	100
36) 1,1-Dichloropropene	8.11	75	151159	20.331	ug/l	99
37) Ethyl Acetate	7.30	43	62995	20.099	ug/l	98
38) Carbon Tetrachloride	8.10	117	162916	20.479	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	183819	19.539	ug/l	95
40) Benzene	8.36	78	428169	21.072	ug/l	96
41) Methacrylonitrile	7.53	41	41866	21.252	ug/l	93
42) 1,2-Dichloroethane	8.43	62	128345	21.031	ug/l	98
43) Isopropyl Acetate	8.46	43	130122	20.149	ug/l	99
44) Trichloroethene	9.11	130	127798	20.956	ug/l	88
45) 1,2-Dichloropropane	9.39	63	105631	21.358	ug/l	97
46) Dibromomethane	9.48	93	55310	20.890	ug/l	98
47) Bromodichloromethane	9.67	83	152062	21.322	ug/l	99
48) Methyl methacrylate	9.46	41	60594	19.189	ug/l	96
49) 1,4-Dioxane	9.48	88	12701	399.420	ug/l #	92
51) 4-Methyl-2-Pentanone	10.23	43	310522	100.270	ug/l	99
52) Toluene	10.41	92	278465	20.841	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	146140	20.454	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	172488	20.688	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	76854	21.397	ug/l	99
56) Ethyl methacrylate	10.67	69	103059	20.512	ug/l	97
57) 1,3-Dichloropropane	10.95	76	134416	21.458	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	183685	90.251	ug/l	97
59) 2-Hexanone	10.99	43	217264	98.611	ug/l	100
60) Dibromochloromethane	11.14	129	104412	20.833	ug/l	100
61) 1,2-Dibromoethane	11.25	107	75976	21.119	ug/l	100
64) Tetrachloroethene	10.88	164	111241	20.705	ug/l	95
65) Chlorobenzene	11.67	112	297793	20.964	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	115107	21.311	ug/l	99
67) Ethyl Benzene	11.75	91	536987	20.899	ug/l	98
68) m/p-Xylenes	11.86	106	408011	41.427	ug/l	99
69) o-Xylene	12.18	106	192149	21.036	ug/l	99
70) Styrene	12.20	104	327127	20.517	ug/l	99
71) Bromoform	12.37	173	63906	20.789	ug/l #	95
73) Isopropylbenzene	12.48	105	515106	20.769	ug/l	100
74) N-amyl acetate	12.30	43	116639	19.915	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	78684	21.055	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	50530m	18.566	ug/l	
77) Bromobenzene	12.77	156	128525	21.331	ug/l	97
78) n-propylbenzene	12.83	91	584163	20.616	ug/l	99
79) 2-Chlorotoluene	12.91	91	332985	20.814	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	415585	20.393	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	28284	20.643	ug/l	95
82) 4-Chlorotoluene	13.01	91	341442	20.463	ug/l	100
83) tert-Butylbenzene	13.23	119	364992	20.311	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	412532	20.504	ug/l	99
85) sec-Butylbenzene	13.41	105	491693	20.372	ug/l	100
86) p-Isopropyltoluene	13.52	119	456957	19.915	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	228852	20.461	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	229289	21.005	ug/l	98
89) n-Butylbenzene	13.85	91	417903	20.159	ug/l	99
90) Hexachloroethane	14.12	117	86458	20.389	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	199254	21.048	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	12919	19.335	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	150588	20.621	ug/l	99
94) Hexachlorobutadiene	15.28	225	97578	20.687	ug/l	98
95) Naphthalene	15.41	128	266169	22.234	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	129456	20.854	ug/l	100

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

