

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121719\
 Data File : VD064538.D
 Acq On : 17 Dec 2019 11:50
 Operator : VA/SY
 Sample : VD1217SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/18/2019 1:00:43 PM

Quant Time: Dec 18 03:01:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	422986	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	623356	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	548432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	263469	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	188679	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
35) Dibromofluoromethane	7.91	113	198642	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
50) Toluene-d8	10.34	98	743539	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
62) 4-Bromofluorobenzene	12.64	95	238653	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	78092	20.375	ug/l	98
3) Chloromethane	2.21	50	97035	20.073	ug/l	99
4) Vinyl Chloride	2.35	62	118719	21.270	ug/l	96
5) Bromomethane	2.76	94	81540	19.755	ug/l	99
6) Chloroethane	2.93	64	80006	21.446	ug/l	98
7) Trichlorofluoromethane	3.27	101	208254	22.444	ug/l	98
8) Diethyl Ether	3.71	74	38262	19.844	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	86319	21.697	ug/l	98
10) Methyl Iodide	4.30	142	83442	19.861	ug/l	99
11) Tert butyl alcohol	5.25	59	24754	101.570	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	82147	21.546	ug/l	96
13) Acrolein	3.92	56	23425	70.468	ug/l	98
14) Allyl chloride	4.71	41	126029	21.181	ug/l	97
15) Acrylonitrile	5.43	53	80104	95.006	ug/l	98
16) Acetone	4.16	43	77972	100.779	ug/l	98
17) Carbon Disulfide	4.40	76	249827	20.690	ug/l	98
18) Methyl Acetate	4.73	43	43341	19.205	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	166927	19.087	ug/l	100
20) Methylene Chloride	4.96	84	87667	19.597	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	90522	20.990	ug/l	98
22) Diisopropyl ether	6.37	45	240458	20.471	ug/l	96
23) Vinyl Acetate	6.31	43	664417	95.948	ug/l	100
24) 1,1-Dichloroethane	6.26	63	149471	21.160	ug/l	96
25) 2-Butanone	7.22	43	101264	92.549	ug/l	98
26) 2,2-Dichloropropane	7.21	77	140745	22.911	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	100432	21.361	ug/l	100
28) Bromochloromethane	7.55	49	37992	15.738	ug/l	97
29) Tetrahydrofuran	7.57	42	63556	91.299	ug/l	97
30) Chloroform	7.71	83	154598	21.132	ug/l	96
31) Cyclohexane	7.99	56	144191	20.691	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	144497	21.304	ug/l	99
36) 1,1-Dichloropropene	8.11	75	122952	20.853	ug/l	99
37) Ethyl Acetate	7.30	43	45904	18.348	ug/l	98
38) Carbon Tetrachloride	8.09	117	135907	21.840	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	148782	20.343	ug/l	97
40) Benzene	8.35	78	340957	20.821	ug/l	99
41) Methacrylonitrile	7.53	41	27727	19.325	ug/l	94
42) 1,2-Dichloroethane	8.43	62	96649	20.238	ug/l	100
43) Isopropyl Acetate	8.46	43	91240	18.548	ug/l	99
44) Trichloroethene	9.11	130	100977	20.470	ug/l	97
45) 1,2-Dichloropropane	9.38	63	83489	21.318	ug/l	91
46) Dibromomethane	9.48	93	43858	19.841	ug/l	99
47) Bromodichloromethane	9.66	83	118838	20.924	ug/l	99
48) Methyl methacrylate	9.46	41	45515	20.220	ug/l	90
49) 1,4-Dioxane	9.47	88	9792	358.740	ug/l #	84
51) 4-Methyl-2-Pentanone	10.23	43	223658	91.892	ug/l	100
52) Toluene	10.40	92	220867	20.695	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	109856	20.295	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	128987	20.059	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	59392	19.623	ug/l	97
56) Ethyl methacrylate	10.66	69	71050	18.405	ug/l	99
57) 1,3-Dichloropropane	10.95	76	103580	20.104	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	156295	101.563	ug/l	100
59) 2-Hexanone	10.98	43	153942	91.151	ug/l	100
60) Dibromochloromethane	11.14	129	79573	19.390	ug/l	97
61) 1,2-Dibromoethane	11.25	107	57557	19.046	ug/l	98
64) Tetrachloroethene	10.88	164	87343	20.884	ug/l	96
65) Chlorobenzene	11.67	112	233575	20.420	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	87665	20.703	ug/l	98
67) Ethyl Benzene	11.75	91	420934	20.683	ug/l	99
68) m/p-Xylenes	11.86	106	317001	40.851	ug/l	98
69) o-Xylene	12.18	106	143125	19.971	ug/l	96
70) Styrene	12.20	104	254821	20.461	ug/l	99
71) Bromoform	12.37	173	48184	19.020	ug/l #	97
73) Isopropylbenzene	12.48	105	404027	21.322	ug/l	100
74) N-amyl acetate	12.29	43	80237	18.657	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	59984	19.142	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	38092m	17.581	ug/l	
77) Bromobenzene	12.77	156	97659	20.870	ug/l	99
78) n-propylbenzene	12.83	91	467954	21.403	ug/l	100
79) 2-Chlorotoluene	12.91	91	252888	21.021	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	321420	20.757	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	19302	19.425	ug/l	98
82) 4-Chlorotoluene	13.01	91	265434	20.839	ug/l	100
83) tert-Butylbenzene	13.23	119	286596	21.289	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	323368	20.768	ug/l	100
85) sec-Butylbenzene	13.41	105	389532	21.082	ug/l	100
86) p-Isopropyltoluene	13.53	119	357768	20.510	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	181162	20.398	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	178626	20.371	ug/l	98
89) n-Butylbenzene	13.86	91	332784	21.008	ug/l	100
90) Hexachloroethane	14.12	117	68108	20.875	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	154083	20.300	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9682	17.862	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	115260	19.828	ug/l	98
94) Hexachlorobutadiene	15.28	225	73582	20.505	ug/l	98
95) Naphthalene	15.41	128	179444	18.497	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	94801	19.106	ug/l	99

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

