

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121719\
 Data File : VD064539.D
 Acq On : 17 Dec 2019 12:17
 Operator : VA/SY
 Sample : VD1217SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/18/2019 1:00:48 PM

Quant Time: Dec 18 03:02:39 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	413520	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	607557	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	533088	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	265833	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	191628	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
35) Dibromofluoromethane	7.92	113	203016	53.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.08%	
50) Toluene-d8	10.34	98	762405	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	
62) 4-Bromofluorobenzene	12.64	95	241061	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	78883	21.053	ug/l	94
3) Chloromethane	2.21	50	102194	21.624	ug/l	98
4) Vinyl Chloride	2.35	62	123433	22.621	ug/l	99
5) Bromomethane	2.76	94	85296	21.138	ug/l	99
6) Chloroethane	2.92	64	82718	22.680	ug/l	92
7) Trichlorofluoromethane	3.27	101	212523	23.429	ug/l	100
8) Diethyl Ether	3.71	74	39394	20.899	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	89831	23.096	ug/l	96
10) Methyl Iodide	4.30	142	88167	21.466	ug/l	99
11) Tert butyl alcohol	5.24	59	25166	105.625	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	82242	22.065	ug/l	99
13) Acrolein	3.93	56	24085	74.112	ug/l	98
14) Allyl chloride	4.71	41	129934	22.337	ug/l	100
15) Acrylonitrile	5.43	53	83509	101.312	ug/l	96
16) Acetone	4.17	43	78405	103.659	ug/l	100
17) Carbon Disulfide	4.40	76	251570	21.311	ug/l	99
18) Methyl Acetate	4.72	43	46616	21.129	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	176051	20.591	ug/l	95
20) Methylene Chloride	4.96	84	93603	21.852	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	92960	22.049	ug/l	97
22) Diisopropyl ether	6.37	45	248470	21.638	ug/l #	96
23) Vinyl Acetate	6.31	43	679394	100.357	ug/l	99
24) 1,1-Dichloroethane	6.27	63	152399	22.068	ug/l	95
25) 2-Butanone	7.22	43	104658	97.841	ug/l	98
26) 2,2-Dichloropropane	7.21	77	139704	23.262	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	99731	21.697	ug/l	98
28) Bromochloromethane	7.55	49	40037	16.964	ug/l	100
29) Tetrahydrofuran	7.57	42	65474	96.207	ug/l	97
30) Chloroform	7.71	83	159605	22.316	ug/l	97
31) Cyclohexane	7.98	56	146364	21.677	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	149435	22.537	ug/l	100
36) 1,1-Dichloropropene	8.11	75	127384	22.167	ug/l	100
37) Ethyl Acetate	7.30	43	45779	18.774	ug/l	98
38) Carbon Tetrachloride	8.10	117	138858	22.894	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	156204	21.913	ug/l	95
40) Benzene	8.36	78	345177	21.626	ug/l	98
41) Methacrylonitrile	7.53	41	22463	16.063	ug/l #	77
42) 1,2-Dichloroethane	8.43	62	99047	21.279	ug/l	98
43) Isopropyl Acetate	8.46	43	94331	19.675	ug/l	99
44) Trichloroethene	9.11	130	105562	21.956	ug/l	94
45) 1,2-Dichloropropane	9.38	63	84057	22.021	ug/l	91
46) Dibromomethane	9.48	93	45201	20.981	ug/l	98
47) Bromodichloromethane	9.67	83	122805	22.184	ug/l	98
48) Methyl methacrylate	9.46	41	42928	19.567	ug/l	94
49) 1,4-Dioxane	9.47	88	9571	359.762	ug/l #	91
51) 4-Methyl-2-Pentanone	10.23	43	231239	97.478	ug/l	100
52) Toluene	10.40	92	226627	21.787	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	111370	21.110	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	136354	21.756	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	61810	20.953	ug/l	96
56) Ethyl methacrylate	10.66	69	75880	20.167	ug/l	99
57) 1,3-Dichloropropane	10.95	76	104112	20.732	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	161457	107.646	ug/l	99
59) 2-Hexanone	10.99	43	156733	95.217	ug/l	98
60) Dibromochloromethane	11.14	129	82982	20.747	ug/l	96
61) 1,2-Dibromoethane	11.25	107	59320	20.140	ug/l	98
64) Tetrachloroethene	10.88	164	89380	21.987	ug/l	96
65) Chlorobenzene	11.67	112	237120	21.327	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	89028	21.630	ug/l	98
67) Ethyl Benzene	11.75	91	433384	21.908	ug/l	97
68) m/p-Xylenes	11.86	106	324786	43.059	ug/l	97
69) o-Xylene	12.18	106	150233	21.566	ug/l	100
70) Styrene	12.20	104	262683	21.699	ug/l	99
71) Bromoform	12.36	173	48826	19.828	ug/l #	99
73) Isopropylbenzene	12.48	105	418393	21.884	ug/l	99
74) N-amyl acetate	12.29	43	83392	19.218	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	61696	19.514	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	40261m	18.417	ug/l	
77) Bromobenzene	12.77	156	100825	21.355	ug/l	99
78) n-propylbenzene	12.83	91	483396	21.913	ug/l	100
79) 2-Chlorotoluene	12.91	91	261479	21.542	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	342008	21.890	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	20108	20.056	ug/l	98
82) 4-Chlorotoluene	13.01	91	277526	21.594	ug/l	99
83) tert-Butylbenzene	13.23	119	291050	21.427	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	332170	21.143	ug/l	99
85) sec-Butylbenzene	13.41	105	401501	21.537	ug/l	100
86) p-Isopropyltoluene	13.53	119	375785	21.351	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	187543	20.929	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	187506	21.194	ug/l	98
89) n-Butylbenzene	13.86	91	342800	21.448	ug/l	99
90) Hexachloroethane	14.12	117	75081	22.808	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	162371	21.202	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9272	16.710	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	120947	20.622	ug/l	99
94) Hexachlorobutadiene	15.28	225	75662	20.897	ug/l	99
95) Naphthalene	15.41	128	188887	19.298	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	99253	19.825	ug/l	99

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

