

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101519\
 Data File : VD063965.D
 Acq On : 15 Oct 2019 12:03
 Operator : VA/SY
 Sample : VD1015SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:41:41 AM

Quant Time: Oct 16 02:25:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	188672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	292052	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	285053	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	152575	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	88435	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	
35) Dibromofluoromethane	7.91	113	91862	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
50) Toluene-d8	10.34	98	386992	53.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.84%	
62) 4-Bromofluorobenzene	12.63	95	125560	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.99	85	26674	19.936	ug/l	96
3) Chloromethane	2.21	50	85441	21.109	ug/l	95
4) Vinyl Chloride	2.35	62	98270	22.724	ug/l	96
5) Bromomethane	2.76	94	56687	20.390	ug/l	95
6) Chloroethane	2.92	64	62597	21.888	ug/l #	88
7) Trichlorofluoromethane	3.27	101	135639	23.723	ug/l	98
8) Diethyl Ether	3.71	74	19537	21.289	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.08	101	33264	21.017	ug/l	95
10) Methyl Iodide	4.29	142	38513	17.660	ug/l	100
11) Tert butyl alcohol	5.23	59	11826m	87.458	ug/l	
12) 1,1-Dichloroethene	4.06	96	32008	20.242	ug/l	95
13) Acrolein	3.92	56	10883	66.336	ug/l	94
14) Allyl chloride	4.71	41	51103	19.439	ug/l	98
15) Acrylonitrile	5.43	53	42208	104.318	ug/l	97
16) Acetone	4.16	43	40399	84.475	ug/l	100
17) Carbon Disulfide	4.40	76	105308	18.321	ug/l #	94
18) Methyl Acetate	4.73	43	19471	20.816	ug/l #	78
19) Methyl tert-butyl Ether	5.48	73	74274	18.140	ug/l	98
20) Methylene Chloride	4.97	84	46110	19.919	ug/l #	87
21) trans-1,2-Dichloroethene	5.47	96	39749	20.193	ug/l	94
22) Diisopropyl ether	6.37	45	108807	20.266	ug/l #	95
23) Vinyl Acetate	6.31	43	308576	96.612	ug/l	98
24) 1,1-Dichloroethane	6.27	63	67753	20.487	ug/l #	93
25) 2-Butanone	7.23	43	53677	94.708	ug/l	93
26) 2,2-Dichloropropane	7.20	77	61392	20.522	ug/l	78
27) cis-1,2-Dichloroethene	7.21	96	43729	19.627	ug/l	98
28) Bromochloromethane	7.56	49	20581	17.623	ug/l	95
29) Tetrahydrofuran	7.57	42	31114	94.055	ug/l	97
30) Chloroform	7.71	83	74241	20.669	ug/l	91
31) Cyclohexane	7.98	56	65483	21.689	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	65691	21.320	ug/l	100
36) 1,1-Dichloropropene	8.12	75	59339	22.222	ug/l	99
37) Ethyl Acetate	7.30	43	20895	16.872	ug/l #	96
38) Carbon Tetrachloride	8.10	117	58651	21.735	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	73083	22.259	ug/l	91
40) Benzene	8.35	78	168594	22.032	ug/l	97
41) Methacrylonitrile	7.52	41	11942	19.289	ug/l	93
42) 1,2-Dichloroethane	8.43	62	44969	20.315	ug/l	98
43) Isopropyl Acetate	8.46	43	42041	18.773	ug/l	97
44) Trichloroethene	9.11	130	48337	21.905	ug/l	96
45) 1,2-Dichloropropane	9.39	63	39376	21.023	ug/l	97
46) Dibromomethane	9.48	93	22025	20.648	ug/l	97
47) Bromodichloromethane	9.66	83	53611	19.521	ug/l #	98
48) Methyl methacrylate	9.46	41	19872	18.520	ug/l	97
49) 1,4-Dioxane	9.47	88	6502	446.552	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	114254	98.375	ug/l	99
52) Toluene	10.40	92	110708	21.075	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	53470	19.952	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	59410	19.258	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	31038	20.608	ug/l	94
56) Ethyl methacrylate	10.67	69	36547	19.162	ug/l	97
57) 1,3-Dichloropropane	10.95	76	51764	20.087	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	78377	95.601	ug/l	98
59) 2-Hexanone	10.99	43	82408	98.090	ug/l	98
60) Dibromochloromethane	11.14	129	39571	20.181	ug/l	99
61) 1,2-Dibromoethane	11.25	107	30288	20.743	ug/l	97
64) Tetrachloroethene	10.88	164	41481	21.316	ug/l	93
65) Chlorobenzene	11.67	112	123877	21.639	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	43015	20.392	ug/l	95
67) Ethyl Benzene	11.75	91	219461	21.260	ug/l	96
68) m/p-Xylenes	11.85	106	175339	44.007	ug/l	99
69) o-Xylene	12.18	106	81512	21.365	ug/l	95
70) Styrene	12.20	104	137460	21.284	ug/l	97
71) Bromoform	12.36	173	23797	21.021	ug/l #	93
73) Isopropylbenzene	12.48	105	220413	21.489	ug/l	100
74) N-amyl acetate	12.29	43	42234	19.125	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	35393	19.830	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	24002m	23.488	ug/l	
77) Bromobenzene	12.76	156	51646	20.210	ug/l	97
78) n-propylbenzene	12.82	91	269168	22.357	ug/l	98
79) 2-Chlorotoluene	12.91	91	141927	21.379	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	179644	20.994	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	10779	18.666	ug/l	92
82) 4-Chlorotoluene	13.01	91	146455	20.797	ug/l	98
83) tert-Butylbenzene	13.23	119	157237	20.647	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	185485	21.026	ug/l	98
85) sec-Butylbenzene	13.40	105	233354	22.690	ug/l	98
86) p-Isopropyltoluene	13.52	119	213497	21.938	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	103328	20.464	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	105378	21.155	ug/l	99
89) n-Butylbenzene	13.85	91	199406	22.012	ug/l	98
90) Hexachloroethane	14.11	117	37804	21.598	ug/l	91
91) 1,2-Dichlorobenzene	13.89	146	89460	20.559	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.50	75	5663	18.892	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	64610	19.243	ug/l	97
94) Hexachlorobutadiene	15.27	225	39048	21.075	ug/l	98
95) Naphthalene	15.40	128	112425	19.922	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	54278	18.737	ug/l	98

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

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