

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120919\
 Data File : VD064472.D
 Acq On : 09 Dec 2019 13:36
 Operator : VA/SY
 Sample : VD1209SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS01

Manual Integrations
 APPROVED

apatel
 12/10/2019 4:06:52 PM

Quant Time: Dec 10 02:53:12 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	470546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	683767	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	616762	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	302941	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	220797	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
35) Dibromofluoromethane	7.92	113	231070	53.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.28%	
50) Toluene-d8	10.34	98	869443	53.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.16%	
62) 4-Bromofluorobenzene	12.64	95	274544	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	90994	21.342	ug/l	99
3) Chloromethane	2.21	50	115179	21.418	ug/l	98
4) Vinyl Chloride	2.35	62	136233	21.941	ug/l	100
5) Bromomethane	2.76	94	91040	19.827	ug/l	98
6) Chloroethane	2.92	64	88611	21.352	ug/l	98
7) Trichlorofluoromethane	3.27	101	225557	21.852	ug/l	95
8) Diethyl Ether	3.71	74	46285	21.579	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	97548	22.041	ug/l	98
10) Methyl Iodide	4.29	142	98021	20.973	ug/l	98
11) Tert butyl alcohol	5.26	59	29127	107.434	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	92485	21.806	ug/l	92
13) Acrolein	3.93	56	33950	91.807	ug/l	99
14) Allyl chloride	4.71	41	143731	21.715	ug/l	99
15) Acrylonitrile	5.43	53	96054	102.409	ug/l	97
16) Acetone	4.17	43	87094	101.192	ug/l	99
17) Carbon Disulfide	4.40	76	284681	21.193	ug/l	97
18) Methyl Acetate	4.73	43	53785	21.424	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	199178	20.473	ug/l	96
20) Methylene Chloride	4.96	84	104095	21.246	ug/l	88
21) trans-1,2-Dichloroethene	5.47	96	103288	21.529	ug/l	97
22) Diisopropyl ether	6.37	45	275903	21.115	ug/l	97
23) Vinyl Acetate	6.31	43	789531	102.492	ug/l	100
24) 1,1-Dichloroethane	6.27	63	168847	21.487	ug/l	98
25) 2-Butanone	7.23	43	120775	99.225	ug/l	98
26) 2,2-Dichloropropane	7.21	77	151650	22.191	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	111876	21.390	ug/l	98
28) Bromochloromethane	7.55	49	45830	17.065	ug/l	94
29) Tetrahydrofuran	7.57	42	82876	107.019	ug/l	97
30) Chloroform	7.71	83	171888	21.121	ug/l	99
31) Cyclohexane	7.99	56	166091	21.604	ug/l	92
32) 1,1,1-Trichloroethane	7.91	97	163231	21.634	ug/l	99
36) 1,1-Dichloropropene	8.11	75	137557	21.269	ug/l	98
37) Ethyl Acetate	7.30	43	59409	21.648	ug/l	97
38) Carbon Tetrachloride	8.10	117	145790	21.358	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	171107	21.328	ug/l	98
40) Benzene	8.35	78	380480	21.181	ug/l	99
41) Methacrylonitrile	7.53	41	26941	17.118	ug/l #	72
42) 1,2-Dichloroethane	8.43	62	110189	21.035	ug/l	99
43) Isopropyl Acetate	8.46	43	109335	20.263	ug/l	100
44) Trichloroethene	9.11	130	115681	21.379	ug/l	96
45) 1,2-Dichloropropane	9.39	63	93310	21.720	ug/l	99
46) Dibromomethane	9.47	93	50134	20.677	ug/l	99
47) Bromodichloromethane	9.66	83	134555	21.598	ug/l	95
48) Methyl methacrylate	9.46	41	50537	20.468	ug/l	94
49) 1,4-Dioxane	9.47	88	12560	419.494	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	277424	103.912	ug/l	99
52) Toluene	10.40	92	243268	20.780	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	125914	21.207	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	149937	21.257	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	67016	20.185	ug/l	97
56) Ethyl methacrylate	10.66	69	86361	20.395	ug/l	99
57) 1,3-Dichloropropane	10.95	76	119703	21.180	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	180413	106.878	ug/l	99
59) 2-Hexanone	10.99	43	185592	100.182	ug/l	100
60) Dibromochloromethane	11.14	129	93596	20.792	ug/l	99
61) 1,2-Dibromoethane	11.25	107	67579	20.386	ug/l	100
64) Tetrachloroethene	10.88	164	99941	21.249	ug/l	94
65) Chlorobenzene	11.67	112	261167	20.303	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	97677	20.512	ug/l	100
67) Ethyl Benzene	11.75	91	467828	20.440	ug/l	99
68) m/p-Xylenes	11.86	106	357651	40.983	ug/l	100
69) o-Xylene	12.18	106	162317	20.140	ug/l	98
70) Styrene	12.20	104	286909	20.485	ug/l	99
71) Bromoform	12.37	173	55959	19.642	ug/l #	100
73) Isopropylbenzene	12.48	105	446254	20.482	ug/l	100
74) N-amyl acetate	12.29	43	96345	19.483	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	73135	20.298	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	44141m	17.718	ug/l	
77) Bromobenzene	12.77	156	112399	20.890	ug/l	99
78) n-propylbenzene	12.83	91	529560	21.065	ug/l	99
79) 2-Chlorotoluene	12.91	91	285122	20.612	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	368856	20.717	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	23335	20.424	ug/l	99
82) 4-Chlorotoluene	13.01	91	301829	20.609	ug/l	99
83) tert-Butylbenzene	13.23	119	324614	20.971	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	364676	20.369	ug/l	100
85) sec-Butylbenzene	13.41	105	439918	20.707	ug/l	99
86) p-Isopropyltoluene	13.52	119	408328	20.358	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	203544	19.932	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	204959	20.329	ug/l	99
89) n-Butylbenzene	13.85	91	374636	20.568	ug/l	99
90) Hexachloroethane	14.12	117	76787	20.469	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	178218	20.421	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11428	18.464	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	134416	20.111	ug/l	100
94) Hexachlorobutadiene	15.28	225	81666	19.792	ug/l	99
95) Naphthalene	15.41	128	223677	20.053	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	113218	19.844	ug/l	99

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

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