

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122818\
 Data File : VD060745.D
 Acq On : 28 Dec 2018 14:31
 Operator : VA/AP
 Sample : VD1228SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1228SBS01

Manual Integrations
 APPROVED

apatel
 1/2/2019 1:14:45 PM

Quant Time: Dec 28 22:15:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1433827	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2027061	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1661571	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	874220	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	535139	54.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.02%	
35) Dibromofluoromethane	6.33	113	767647	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	
50) Toluene-d8	9.46	98	2172496	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
62) 4-Bromofluorobenzene	12.43	95	808539	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	334230	18.243	ug/l	99
3) Chloromethane	1.77	50	337493	20.016	ug/l	99
4) Vinyl Chloride	1.87	62	264622	19.768	ug/l	97
5) Bromomethane	2.16	94	47848	15.957	ug/l	92
6) Chloroethane	2.27	64	73519	18.403	ug/l	96
7) Trichlorofluoromethane	2.52	101	304441	20.447	ug/l	96
8) Diethyl Ether	2.84	74	56912	22.846	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.10	101	203715	21.092	ug/l	95
10) Methyl Iodide	3.26	142	219137	21.589	ug/l	97
11) Tert butyl alcohol	3.98	59	38800	93.695	ug/l	98
12) 1,1-Dichloroethene	3.09	96	166066	20.926	ug/l	94
13) Acrolein	3.00	56	44927	106.463	ug/l	100
14) Allyl chloride	3.55	41	295725	20.308	ug/l	96
15) Acrylonitrile	4.11	53	260911	108.525	ug/l	97
16) Acetone	3.17	43	188220	108.771	ug/l	98
17) Carbon Disulfide	3.33	76	499002	19.689	ug/l	98
18) Methyl Acetate	3.57	43	98328	22.928	ug/l	96
19) Methyl tert-butyl Ether	4.13	73	448431	22.273	ug/l	99
20) Methylene Chloride	3.73	84	343131	19.094	ug/l	98
21) trans-1,2-Dichloroethene	4.11	96	330422	20.331	ug/l	99
22) Diisopropyl ether	4.86	45	1054678	21.332	ug/l	94
23) Vinyl Acetate	4.81	43	2542531	106.293	ug/l	99
24) 1,1-Dichloroethane	4.77	63	539868	20.760	ug/l	99
25) 2-Butanone	5.63	43	382288	115.450	ug/l	97
26) 2,2-Dichloropropane	5.60	77	441051	21.485	ug/l	97
27) cis-1,2-Dichloroethene	5.60	96	346808	21.021	ug/l	96
28) Bromochloromethane	5.94	49	209936	19.109	ug/l	95
29) Tetrahydrofuran	5.97	42	206450	109.979	ug/l	98
30) Chloroform	6.11	83	558265	21.334	ug/l	100
31) Cyclohexane	6.38	56	492308	19.671	ug/l	99
32) 1,1,1-Trichloroethane	6.30	97	436696	20.171	ug/l	97
36) 1,1-Dichloropropene	6.54	75	414725	19.869	ug/l	99
37) Ethyl Acetate	5.71	43	177941	20.383	ug/l	98
38) Carbon Tetrachloride	6.51	117	371991	20.201	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	466854	19.611	ug/l	99
40) Benzene	6.80	78	1104960	20.494	ug/l	100
41) Methacrylonitrile	5.95	41	105893m	21.930	ug/l	
42) 1,2-Dichloroethane	6.90	62	280249	20.946	ug/l	98
43) Isopropyl Acetate	8.36	43	235587	21.030	ug/l #	98
44) Trichloroethene	7.75	130	330036	20.681	ug/l	94
45) 1,2-Dichloropropane	8.11	63	270884	20.487	ug/l	98
46) Dibromomethane	8.23	93	159577	21.146	ug/l	99
47) Bromodichloromethane	8.49	83	382226	21.384	ug/l	98
48) Methyl methacrylate	8.25	41	144569	21.247	ug/l	96
49) 1,4-Dioxane	8.24	88	26430	417.774	ug/l #	87
51) 4-Methyl-2-Pentanone	9.35	43	754695	109.957	ug/l	100
52) Toluene	9.56	92	684808	20.261	ug/l	98
53) t-1,3-Dichloropropene	9.92	75	317618	21.300	ug/l	100
54) cis-1,3-Dichloropropene	9.10	75	412786	21.149	ug/l	95
55) 1,1,2-Trichloroethane	10.19	97	195832	21.534	ug/l	97
56) Ethyl methacrylate	10.04	69	176045	20.841	ug/l	99
57) 1,3-Dichloropropane	10.38	76	302345	20.975	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.93	63	554035	111.316	ug/l	97
59) 2-Hexanone	10.49	43	536084	111.586	ug/l	99
60) Dibromochloromethane	10.65	129	243303	21.004	ug/l	97
61) 1,2-Dibromoethane	10.77	107	192581	20.416	ug/l	97
64) Tetrachloroethene	10.26	164	300465	19.951	ug/l	97
65) Chlorobenzene	11.32	112	756082	20.596	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.43	131	252166	21.364	ug/l	99
67) Ethyl Benzene	11.44	91	1306862	20.787	ug/l	99
68) m/p-Xylenes	11.56	106	918147	39.961	ug/l	94
69) o-Xylene	11.94	106	444157	20.376	ug/l	92
70) Styrene	11.96	104	725187	20.656	ug/l	97
71) Bromoform	12.12	173	159891	20.522	ug/l	98
73) Isopropylbenzene	12.28	105	1278678	20.543	ug/l	98
74) N-amyl acetate	12.14	43	305440	20.792	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	213658	21.177	ug/l	97
76) 1,2,3-Trichloropropane	12.60	75	205867	20.684	ug/l	99
77) Bromobenzene	12.55	156	342016	20.813	ug/l	90
78) n-propylbenzene	12.64	91	1568576	19.712	ug/l	95
79) 2-Chlorotoluene	12.71	91	877677	20.593	ug/l	95
80) 1,3,5-Trimethylbenzene	12.79	105	988384	20.564	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.34	75	56855	20.673	ug/l	92
82) 4-Chlorotoluene	12.81	91	1012686	20.963	ug/l	93
83) tert-Butylbenzene	13.05	119	1125100	20.569	ug/l	96
84) 1,2,4-Trimethylbenzene	13.10	105	1011222	20.428	ug/l	98
85) sec-Butylbenzene	13.23	105	1342033	20.118	ug/l	97
86) p-Isopropyltoluene	13.35	119	1109022	20.596	ug/l	99
87) 1,3-Dichlorobenzene	13.32	146	631460	20.932	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	618995	20.823	ug/l	97
89) n-Butylbenzene	13.65	91	1153433	20.961	ug/l	98
90) Hexachloroethane	13.86	117	268393	20.289	ug/l	81
91) 1,2-Dichlorobenzene	13.66	146	524193	21.662	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	23086	19.478	ug/l	75

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	401828	20.868	ug/l	98
94) Hexachlorobutadiene	14.88	225	281443	19.774	ug/l	97
95) Naphthalene	14.97	128	467093	20.410	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	314465	20.891	ug/l	100

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

