

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121218\
 Data File : VD060541.D
 Acq On : 12 Dec 2018 12:28
 Operator : VA/AP
 Sample : VD1212SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1212SBS01

Manual Integrations
 APPROVED

apatel
 12/13/2018 4:41:06 PM

Quant Time: Dec 13 00:27:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1569323	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2176474	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1706242	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	858260	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.79	65	547268	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
35) Dibromofluoromethane	6.32	113	802773	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
50) Toluene-d8	9.45	98	2370816	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
62) 4-Bromofluorobenzene	12.43	95	815328	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.61	85	422515	25.008	ug/l	100
3) Chloromethane	1.78	50	374618	23.234	ug/l	99
4) Vinyl Chloride	1.87	62	304491	23.662	ug/l	98
5) Bromomethane	2.16	94	60872	18.908	ug/l	97
6) Chloroethane	2.28	64	77056	17.282	ug/l	95
7) Trichlorofluoromethane	2.53	101	319676	21.514	ug/l	100
8) Diethyl Ether	2.84	74	52880	20.604	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.11	101	213507	22.146	ug/l	99
10) Methyl Iodide	3.26	142	225197	19.983	ug/l	99
11) Tert butyl alcohol	3.98	59	42121	93.207	ug/l	97
12) 1,1-Dichloroethene	3.09	96	176390	22.487	ug/l	98
13) Acrolein	3.00	56	41834	84.720	ug/l	96
14) Allyl chloride	3.55	41	321674	21.614	ug/l	100
15) Acrylonitrile	4.10	53	250824	97.750	ug/l	97
16) Acetone	3.17	43	156115	87.559	ug/l	98
17) Carbon Disulfide	3.33	76	552339	21.678	ug/l	98
18) Methyl Acetate	3.57	43	86136	20.327	ug/l	97
19) Methyl tert-butyl Ether	4.13	73	439403	20.200	ug/l	99
20) Methylene Chloride	3.73	84	366310	19.661	ug/l	98
21) trans-1,2-Dichloroethene	4.11	96	364192	21.344	ug/l	97
22) Diisopropyl ether	4.86	45	1078188	20.178	ug/l	97
23) Vinyl Acetate	4.81	43	2607225	98.482	ug/l	99
24) 1,1-Dichloroethane	4.76	63	591357	21.303	ug/l	100
25) 2-Butanone	5.63	43	324524	92.514	ug/l	99
26) 2,2-Dichloropropane	5.60	77	490216	22.860	ug/l	96
27) cis-1,2-Dichloroethene	5.60	96	371166	21.394	ug/l	98
28) Bromochloromethane	5.93	49	236094	19.199	ug/l	92
29) Tetrahydrofuran	5.96	42	196137	98.739	ug/l	98
30) Chloroform	6.11	83	591509	21.151	ug/l	98
31) Cyclohexane	6.37	56	573626	22.022	ug/l	97
32) 1,1,1-Trichloroethane	6.29	97	498264	21.673	ug/l	99
36) 1,1-Dichloropropene	6.52	75	455582	21.414	ug/l	97
37) Ethyl Acetate	5.70	43	189847	20.576	ug/l	97
38) Carbon Tetrachloride	6.50	117	408612	21.394	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	534889	22.055	ug/l	99
40) Benzene	6.80	78	1169891	21.517	ug/l	100
41) Methacrylonitrile	5.94	41	109132m	21.942	ug/l	
42) 1,2-Dichloroethane	6.89	62	281058	20.331	ug/l	99
43) Isopropyl Acetate	8.34	43	219481	19.271	ug/l #	99
44) Trichloroethene	7.74	130	340905	20.980	ug/l	100
45) 1,2-Dichloropropane	8.11	63	285309	21.217	ug/l	99
46) Dibromomethane	8.21	93	153519	19.759	ug/l	97
47) Bromodichloromethane	8.49	83	387344	21.011	ug/l	98
48) Methyl methacrylate	8.24	41	133922	19.872	ug/l	97
49) 1,4-Dioxane	8.23	88	23372	382.658	ug/l	93
51) 4-Methyl-2-Pentanone	9.34	43	680949	96.115	ug/l	98
52) Toluene	9.54	92	742792	21.857	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	304384	20.094	ug/l	98
54) cis-1,3-Dichloropropene	9.10	75	413393	20.771	ug/l	96
55) 1,1,2-Trichloroethane	10.17	97	185626	19.614	ug/l	97
56) Ethyl methacrylate	10.02	69	170247	19.877	ug/l	97
57) 1,3-Dichloropropane	10.38	76	297821	20.357	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.92	63	520746	101.614	ug/l	100
59) 2-Hexanone	10.49	43	474224	95.763	ug/l	100
60) Dibromochloromethane	10.63	129	236371	19.977	ug/l	98
61) 1,2-Dibromoethane	10.75	107	189855	19.685	ug/l	96
64) Tetrachloroethene	10.25	164	321705	21.293	ug/l	98
65) Chlorobenzene	11.31	112	754275	20.896	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.41	131	251732	21.637	ug/l	97
67) Ethyl Benzene	11.42	91	1384500	22.487	ug/l	97
68) m/p-Xylenes	11.56	106	1031993	45.306	ug/l	96
69) o-Xylene	11.93	106	469091	21.609	ug/l	97
70) Styrene	11.95	104	749551	21.512	ug/l	99
71) Bromoform	12.11	173	147630	19.019	ug/l	97
73) Isopropylbenzene	12.28	105	1329434	21.890	ug/l	98
74) N-amyl acetate	12.13	43	282371	19.237	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	188425	19.379	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	194526	20.003	ug/l	100
77) Bromobenzene	12.53	156	330778	20.720	ug/l	90
78) n-propylbenzene	12.63	91	1694405	22.070	ug/l	96
79) 2-Chlorotoluene	12.70	91	898063	21.557	ug/l	95
80) 1,3,5-Trimethylbenzene	12.79	105	1036037	22.325	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	53360	19.674	ug/l	93
82) 4-Chlorotoluene	12.81	91	1019851	21.796	ug/l	96
83) tert-Butylbenzene	13.05	119	1130745	21.731	ug/l	97
84) 1,2,4-Trimethylbenzene	13.09	105	1033463	21.507	ug/l	99
85) sec-Butylbenzene	13.22	105	1412009	21.772	ug/l	95
86) p-Isopropyltoluene	13.34	119	1139556	22.166	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	617058	21.348	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	582100	20.528	ug/l	99
89) n-Butylbenzene	13.65	91	1238582	21.784	ug/l	99
90) Hexachloroethane	13.85	117	276349	21.439	ug/l	86
91) 1,2-Dichlorobenzene	13.66	146	512172	21.682	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.23	75	20814	17.667	ug/l	70

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	370592	20.069	ug/l	98
94) Hexachlorobutadiene	14.88	225	289401	21.242	ug/l	97
95) Naphthalene	14.96	128	430224	19.584	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	294562	20.020	ug/l	99

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

