

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120318\
 Data File : VD060468.D
 Acq On : 3 Dec 2018 11:44
 Operator : VA/AP
 Sample : VD1203SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1203SBS01

Quant Time: Dec 04 02:17:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 19 16:31:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.43	168	1393706	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.47	114	1919752	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.30	117	1501787	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	774607	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.82	65	514464	51.55	ug/l	0.02
Spiked Amount	50.000		Recovery	=	103.10%	
35) Dibromofluoromethane	6.35	113	774302	54.09	ug/l	0.02
Spiked Amount	50.000		Recovery	=	108.18%	
50) Toluene-d8	9.48	98	2148126	51.27	ug/l	0.02
Spiked Amount	50.000		Recovery	=	102.54%	
62) 4-Bromofluorobenzene	12.44	95	790251	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.60	85	265729	21.716	ug/l	97
3) Chloromethane	1.78	50	273190	20.694	ug/l	98
4) Vinyl Chloride	1.87	62	216621	20.092	ug/l	98
5) Bromomethane	2.16	94	43606	17.048	ug/l	88
6) Chloroethane	2.28	64	64348	17.988	ug/l	92
7) Trichlorofluoromethane	2.53	101	264220	20.787	ug/l	98
8) Diethyl Ether	2.85	74	45504	19.773	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.12	101	179952	21.525	ug/l	99
10) Methyl Iodide	3.27	142	190388	17.534	ug/l	97
11) Tert butyl alcohol	4.00	59	43865	107.045	ug/l #	87
12) 1,1-Dichloroethene	3.10	96	142772	20.995	ug/l	98
13) Acrolein	3.01	56	30028	62.016	ug/l	97
14) Allyl chloride	3.56	41	279532	21.483	ug/l	98
15) Acrylonitrile	4.12	53	259493	108.592	ug/l	99
16) Acetone	3.19	43	169037	97.653	ug/l	98
17) Carbon Disulfide	3.34	76	411629	18.753	ug/l	99
18) Methyl Acetate	3.58	43	78424	21.248	ug/l	93
19) Methyl tert-butyl Ether	4.15	73	424444	20.844	ug/l	99
20) Methylene Chloride	3.75	84	326669	21.274	ug/l	99
21) trans-1,2-Dichloroethene	4.13	96	321328	21.281	ug/l	98
22) Diisopropyl ether	4.89	45	1064023	21.888	ug/l	99
23) Vinyl Acetate	4.83	43	2632915	108.848	ug/l	99
24) 1,1-Dichloroethane	4.78	63	547509	21.963	ug/l	98
25) 2-Butanone	5.65	43	375127	104.261	ug/l	99
26) 2,2-Dichloropropane	5.62	77	442722	22.843	ug/l	99
27) cis-1,2-Dichloroethene	5.63	96	350397	22.276	ug/l	98
28) Bromochloromethane	5.95	49	225698	20.520	ug/l	98
29) Tetrahydrofuran	5.98	42	200371	105.628	ug/l	99
30) Chloroform	6.13	83	556324	22.323	ug/l	100
31) Cyclohexane	6.39	56	496904	20.855	ug/l	100
32) 1,1,1-Trichloroethane	6.32	97	470943	22.434	ug/l	96
36) 1,1-Dichloropropene	6.55	75	413123	21.782	ug/l	99
37) Ethyl Acetate	5.72	43	185858	21.296	ug/l	99
38) Carbon Tetrachloride	6.52	117	393655	22.375	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.07	83	461797	21.170	ug/l	98
40) Benzene	6.82	78	1066502	22.029	ug/l	99
41) Methacrylonitrile	5.98	41	213544	21.378	ug/l #	95
42) 1,2-Dichloroethane	6.93	62	274230	21.641	ug/l	100
43) Isopropyl Acetate	8.37	43	227604	20.761	ug/l #	99
44) Trichloroethene	7.77	130	329368	22.443	ug/l	99
45) 1,2-Dichloropropane	8.13	63	272683	22.333	ug/l	96
46) Dibromomethane	8.24	93	151383	21.169	ug/l	94
47) Bromodichloromethane	8.52	83	370097	21.962	ug/l	99
48) Methyl methacrylate	8.27	41	139205	20.905	ug/l	96
49) 1,4-Dioxane	8.25	88	25336	439.735	ug/l #	82
51) 4-Methyl-2-Pentanone	9.37	43	744310	104.314	ug/l	97
52) Toluene	9.57	92	678970	21.955	ug/l	99
53) t-1,3-Dichloropropene	9.95	75	309031	21.704	ug/l	98
54) cis-1,3-Dichloropropene	9.13	75	403736	22.108	ug/l	97
55) 1,1,2-Trichloroethane	10.20	97	190378	21.239	ug/l	99
56) Ethyl methacrylate	10.05	69	174255	21.144	ug/l	97
57) 1,3-Dichloropropane	10.41	76	286886	21.005	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.94	63	536949	107.752	ug/l	98
59) 2-Hexanone	10.51	43	558717	109.862	ug/l	100
60) Dibromochloromethane	10.65	129	245078	22.493	ug/l	98
61) 1,2-Dibromoethane	10.77	107	197486	21.990	ug/l	94
64) Tetrachloroethene	10.27	164	297550	22.194	ug/l	98
65) Chlorobenzene	11.33	112	743252	22.841	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.43	131	246617	23.164	ug/l	96
67) Ethyl Benzene	11.44	91	1280528	23.005	ug/l	100
68) m/p-Xylenes	11.58	106	988451	48.139	ug/l	99
69) o-Xylene	11.95	106	450956	22.733	ug/l	96
70) Styrene	11.97	104	725618	22.634	ug/l	100
71) Bromoform	12.13	173	159001	22.225	ug/l	99
73) Isopropylbenzene	12.29	105	1290467	22.866	ug/l	99
74) N-amyl acetate	12.15	43	302163	20.884	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	198520	21.509	ug/l	99
76) 1,2,3-Trichloropropane	12.61	75	198455	21.417	ug/l	94
77) Bromobenzene	12.55	156	322202	21.493	ug/l	97
78) n-propylbenzene	12.65	91	1613008	22.898	ug/l	100
79) 2-Chlorotoluene	12.72	91	851292	22.065	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	1006137	22.940	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.36	75	53763	20.380	ug/l	94
82) 4-Chlorotoluene	12.82	91	975358	22.505	ug/l	99
83) tert-Butylbenzene	13.06	119	1130532	23.217	ug/l	91
84) 1,2,4-Trimethylbenzene	13.11	105	1000458	22.840	ug/l	98
85) sec-Butylbenzene	13.23	105	1350972	22.614	ug/l	98
86) p-Isopropyltoluene	13.35	119	1115418	23.185	ug/l	97
87) 1,3-Dichlorobenzene	13.32	146	608336	22.809	ug/l	98
88) 1,4-Dichlorobenzene	13.40	146	583903	22.417	ug/l	94
89) n-Butylbenzene	13.66	91	1133574	21.604	ug/l	96
90) Hexachloroethane	13.87	117	267433	23.443	ug/l	90
91) 1,2-Dichlorobenzene	13.68	146	501481	22.892	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	22481	20.178	ug/l	64

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	391972	22.567	ug/l	99
94) Hexachlorobutadiene	14.90	225	290502	22.361	ug/l	99
95) Naphthalene	14.98	128	456743	21.535	ug/l	100
96) 1,2,3-Trichlorobenzene	15.12	180	291519	20.945	ug/l	97

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

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