

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122718\
 Data File : VD060723.D
 Acq On : 27 Dec 2018 13:43
 Operator : VA/AP
 Sample : VD1227SBS01
 Misc : 5.00µg/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

Manual Integrations
 APPROVED

apatel
 12/28/2018 9:47:08 AM

Quant Time: Dec 28 08:25:53 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	6.37	168	1548530	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.40	114	2084363	50.00	ug/l	-0.04
63) Chlorobenzene-d5	11.26	117	1710513	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	878346	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.74	65	526814	49.23	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	98.46%	
35) Dibromofluoromethane	6.29	113	801012	52.50	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	105.00%	
50) Toluene-d8	9.42	98	2272530	49.92	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	99.84%	
62) 4-Bromofluorobenzene	12.40	95	826495	51.84	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	103.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	345937	17.484	ug/l	99
3) Chloromethane	1.75	50	320841	17.619	ug/l	98
4) Vinyl Chloride	1.84	62	261478	18.086	ug/l	100
5) Bromomethane	2.13	94	39575	12.220	ug/l	92
6) Chloroethane	2.25	64	67129	15.559	ug/l	95
7) Trichlorofluoromethane	2.49	101	291364	18.119	ug/l	99
8) Diethyl Ether	2.81	74	50508	18.773	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.06	101	192344	18.440	ug/l	99
10) Methyl Iodide	3.22	142	196153	17.893	ug/l	98
11) Tert butyl alcohol	3.94	59	44097	98.599	ug/l	97
12) 1,1-Dichloroethene	3.05	96	161236	18.812	ug/l	95
13) Acrolein	2.96	56	41156	90.303	ug/l	98
14) Allyl chloride	3.50	41	302014	19.204	ug/l	99
15) Acrylonitrile	4.06	53	257498	99.171	ug/l	95
16) Acetone	3.13	43	175768	94.051	ug/l	94
17) Carbon Disulfide	3.29	76	477105	17.431	ug/l	98
18) Methyl Acetate	3.52	43	82844	17.887	ug/l #	92
19) Methyl tert-butyl Ether	4.09	73	443086	20.377	ug/l	98
20) Methylene Chloride	3.69	84	342415	17.643	ug/l	98
21) trans-1,2-Dichloroethene	4.07	96	329289	18.760	ug/l	97
22) Diisopropyl ether	4.81	45	1067380	19.990	ug/l	96
23) Vinyl Acetate	4.76	43	2601807	100.715	ug/l	98
24) 1,1-Dichloroethane	4.72	63	551512	19.636	ug/l	99
25) 2-Butanone	5.58	43	360470	100.797	ug/l	100
26) 2,2-Dichloropropane	5.55	77	431197	19.449	ug/l	100
27) cis-1,2-Dichloroethene	5.56	96	350051	19.646	ug/l	98
28) Bromochloromethane	5.89	49	182548	15.385	ug/l	98
29) Tetrahydrofuran	5.92	42	195963	96.660	ug/l	99
30) Chloroform	6.06	83	560865	19.846	ug/l	96
31) Cyclohexane	6.33	56	515755	19.082	ug/l	98
32) 1,1,1-Trichloroethane	6.25	97	460085	19.677	ug/l	96
36) 1,1-Dichloropropene	6.49	75	427208	19.904	ug/l	98
37) Ethyl Acetate	5.66	43	180229	20.078	ug/l	97
38) Carbon Tetrachloride	6.46	117	386191	20.395	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.00	83	465111	19.000	ug/l	99
40) Benzene	6.75	78	1096679	19.781	ug/l	100
41) Methacrylonitrile	5.90	41	100031m	20.146	ug/l	
42) 1,2-Dichloroethane	6.86	62	271193	19.711	ug/l	98
43) Isopropyl Acetate	8.32	43	230296	19.992	ug/l #	98
44) Trichloroethene	7.71	130	340901	20.775	ug/l	99
45) 1,2-Dichloropropane	8.06	63	268086	19.718	ug/l	98
46) Dibromomethane	8.18	93	155885	20.089	ug/l	97
47) Bromodichloromethane	8.45	83	375825	20.448	ug/l	99
48) Methyl methacrylate	8.21	41	137951	19.717	ug/l	96
49) 1,4-Dioxane	8.19	88	25636	394.083	ug/l #	89
51) 4-Methyl-2-Pentanone	9.31	43	720196	102.046	ug/l	100
52) Toluene	9.52	92	707523	20.357	ug/l	99
53) t-1,3-Dichloropropene	9.88	75	309383	20.177	ug/l	98
54) cis-1,3-Dichloropropene	9.06	75	410116	20.434	ug/l	99
55) 1,1,2-Trichloroethane	10.15	97	195124	20.866	ug/l	97
56) Ethyl methacrylate	10.00	69	175038	20.152	ug/l	98
57) 1,3-Dichloropropane	10.35	76	296345	19.993	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.89	63	516105	100.844	ug/l	95
59) 2-Hexanone	10.46	43	518367	104.932	ug/l	99
60) Dibromochloromethane	10.61	129	251383	21.105	ug/l	98
61) 1,2-Dibromoethane	10.73	107	195183	20.123	ug/l	99
64) Tetrachloroethene	10.22	164	310872	20.052	ug/l	98
65) Chlorobenzene	11.29	112	760201	20.116	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.40	131	251395	20.689	ug/l	99
67) Ethyl Benzene	11.41	91	1304122	20.150	ug/l	99
68) m/p-Xylenes	11.54	106	988825	41.806	ug/l	97
69) o-Xylene	11.91	106	461555	20.568	ug/l	87
70) Styrene	11.93	104	756268	20.925	ug/l	96
71) Bromoform	12.10	173	158420	19.751	ug/l	99
73) Isopropylbenzene	12.25	105	1303192	20.839	ug/l	100
74) N-amyl acetate	12.12	43	292609	19.825	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.54	83	209320	20.650	ug/l	100
76) 1,2,3-Trichloropropane	12.58	75	200003	20.001	ug/l	100
77) Bromobenzene	12.52	156	345673	20.937	ug/l	97
78) n-propylbenzene	12.62	91	1697726	21.235	ug/l	99
79) 2-Chlorotoluene	12.69	91	917556	21.427	ug/l	99
80) 1,3,5-Trimethylbenzene	12.77	105	1047513	21.692	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.32	75	55030	19.915	ug/l	95
82) 4-Chlorotoluene	12.78	91	1038614	21.399	ug/l	100
83) tert-Butylbenzene	13.03	119	1156038	21.035	ug/l	98
84) 1,2,4-Trimethylbenzene	13.07	105	1063474	21.382	ug/l	98
85) sec-Butylbenzene	13.20	105	1398923	20.872	ug/l	99
86) p-Isopropyltoluene	13.33	119	1145826	21.179	ug/l	100
87) 1,3-Dichlorobenzene	13.30	146	621681	20.511	ug/l	99
88) 1,4-Dichlorobenzene	13.38	146	616568	20.644	ug/l	98
89) n-Butylbenzene	13.63	91	1173423	21.224	ug/l	99
90) Hexachloroethane	13.84	117	280003	21.067	ug/l	88
91) 1,2-Dichlorobenzene	13.64	146	514799	21.174	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.21	75	22179	18.625	ug/l #	45

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.77	180	407242	21.050	ug/l	98
94) Hexachlorobutadiene	14.86	225	314282	21.978	ug/l	98
95) Naphthalene	14.95	128	455609	19.815	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	327040	21.625	ug/l	99

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

