

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082018\
 Data File : VD059834.D
 Acq On : 20 Aug 2018 16:50
 Operator : JC/SY
 Sample : VD0820SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS01

Manual Integrations
 APPROVED

apatel
 8/21/2018 10:24:51 AM

Quant Time: Aug 21 07:13:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 21 04:40:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.59	168	1065157	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.64	114	1550609	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.66	117	1263062	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.88	152	599684	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.96	65	464781	54.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.04%	
35) Dibromofluoromethane	5.49	113	594635	51.85	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.70%	
50) Toluene-d8	8.66	98	1634218	52.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.68%	
62) 4-Bromofluorobenzene	11.90	95	629515	53.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.32	85	162546	17.72	ug/l	100
3) Chloromethane	1.46	50	135392	17.42	ug/l	97
4) Vinyl Chloride	1.53	62	107260	17.22	ug/l	98
5) Bromomethane	1.75	94	10651	13.01	ug/l	95
6) Chloroethane	1.84	64	20685	14.68	ug/l	96
7) Trichlorofluoromethane	2.05	101	106230	16.94	ug/l	99
8) Diethyl Ether	2.31	74	25298	18.05	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.51	101	75527	18.94	ug/l	96
10) Methyl Iodide	2.65	142	59699	13.52	ug/l	94
11) Tert butyl alcohol	3.22	59	30191	95.81	ug/l	96
12) 1,1-Dichloroethene	2.50	96	60338	18.36	ug/l	92
13) Acrolein	2.43	56	22350	70.03	ug/l	94
14) Allyl chloride	2.87	41	147760	17.72	ug/l	99
15) Acrylonitrile	3.31	53	137197	94.06	ug/l	99
16) Acetone	2.57	43	130844	91.58	ug/l	97
17) Carbon Disulfide	2.72	76	163015	14.99	ug/l	100
18) Methyl Acetate	2.89	43	50556	16.04	ug/l	95
19) Methyl tert-butyl Ether	3.36	73	353141	19.16	ug/l	99
20) Methylene Chloride	3.02	84	73937	14.57	ug/l	95
21) trans-1,2-Dichloroethene	3.34	96	140172	15.22	ug/l	98
22) Diisopropyl ether	4.02	45	846473	19.87	ug/l	97
23) Vinyl Acetate	3.96	43	2461089	107.55	ug/l	100
24) 1,1-Dichloroethane	3.92	63	364542	19.46	ug/l	99
25) 2-Butanone	4.78	43	406884	94.21	ug/l	99
26) 2,2-Dichloropropane	4.74	77	291366	19.82	ug/l	96
27) cis-1,2-Dichloroethene	4.74	96	222699	19.97	ug/l	97
28) Bromochloromethane	5.09	49	187973	19.80	ug/l	96
29) Tetrahydrofuran	5.13	42	223829	102.36	ug/l	98
30) Chloroform	5.27	83	364704	19.73	ug/l	100
31) Cyclohexane	5.54	56	292921	16.47	ug/l	94
32) 1,1,1-Trichloroethane	5.45	97	300462	19.29	ug/l	99
36) 1,1-Dichloropropene	5.69	75	246867	18.77	ug/l	98
37) Ethyl Acetate	4.87	43	203071	20.83	ug/l	98
38) Carbon Tetrachloride	5.67	117	259131	19.74	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.23	83	259388	18.44	ug/l	98
40) Benzene	5.96	78	663844	19.48	ug/l	100
41) Methacrylonitrile	5.07	41	97907	19.61	ug/l	97
42) 1,2-Dichloroethane	6.07	62	214238	19.31	ug/l	97
43) Isopropyl Acetate	7.57	43	263995	19.58	ug/l #	99
44) Trichloroethene	6.93	130	189851	18.74	ug/l	95
45) 1,2-Dichloropropane	7.30	63	195634	19.55	ug/l	97
46) Dibromomethane	7.41	93	120654	19.37	ug/l	96
47) Bromodichloromethane	7.70	83	268536	19.53	ug/l	98
48) Methyl methacrylate	7.46	41	147552	19.84	ug/l	100
49) 1,4-Dioxane	7.44	88	27816	442.01	ug/l	92
51) 4-Methyl-2-Pentanone	8.55	43	851866	94.50	ug/l	98
52) Toluene	8.76	92	431979	20.05	ug/l	98
53) t-1,3-Dichloropropene	9.14	75	258029	20.60	ug/l	99
54) cis-1,3-Dichloropropene	8.32	75	290614	19.37	ug/l	98
55) 1,1,2-Trichloroethane	9.41	97	153776	19.77	ug/l	96
56) Ethyl methacrylate	9.27	69	181011	20.18	ug/l	96
57) 1,3-Dichloropropane	9.63	76	223345	19.64	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.14	63	503752	96.26	ug/l	98
59) 2-Hexanone	9.74	43	646771	97.07	ug/l	100
60) Dibromochloromethane	9.91	129	199458	19.92	ug/l	98
61) 1,2-Dibromoethane	10.05	107	164336	19.78	ug/l	98
64) Tetrachloroethene	9.47	164	176222	19.06	ug/l	98
65) Chlorobenzene	10.69	112	489042	20.08	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.82	131	174656	21.01	ug/l	96
67) Ethyl Benzene	10.83	91	817614	18.67	ug/l	97
68) m/p-Xylenes	10.98	106	594005	37.01	ug/l	99
69) o-Xylene	11.38	106	297770	21.10	ug/l	98
70) Styrene	11.41	104	520330	21.17	ug/l	96
71) Bromoform	11.57	173	148515	19.88	ug/l #	96
73) Isopropylbenzene	11.74	105	803617	19.66	ug/l	99
74) N-amyl acetate	11.61	43	353318	19.31	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.05	83	183101	19.01	ug/l	99
76) 1,2,3-Trichloropropane	12.09	75	193439	19.50	ug/l	99
77) Bromobenzene	12.02	156	231205	20.35	ug/l	85
78) n-propylbenzene	12.13	91	1021284	20.12	ug/l	96
79) 2-Chlorotoluene	12.18	91	591989	20.26	ug/l	93
80) 1,3,5-Trimethylbenzene	12.29	105	623858	18.48	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.82	75	55645	17.94	ug/l	96
82) 4-Chlorotoluene	12.30	91	621913	18.62	ug/l	92
83) tert-Butylbenzene	12.55	119	655196m	20.32	ug/l	
84) 1,2,4-Trimethylbenzene	12.60	105	675621	20.09	ug/l	98
85) sec-Butylbenzene	12.74	105	874872	20.46	ug/l	97
86) p-Isopropyltoluene	12.86	119	685996	20.45	ug/l	97
87) 1,3-Dichlorobenzene	12.81	146	407472	21.31	ug/l	99
88) 1,4-Dichlorobenzene	12.90	146	389839	20.57	ug/l	97
89) n-Butylbenzene	13.17	91	693178	18.88	ug/l	98
90) Hexachloroethane	13.37	117	181124	18.93	ug/l	82
91) 1,2-Dichlorobenzene	13.17	146	332592	19.85	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.75	75	26209	18.28	ug/l	73

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.32	180	284129	20.69	ug/l	98
94) Hexachlorobutadiene	14.41	225	183998	19.92	ug/l	96
95) Naphthalene	14.49	128	429947	19.17	ug/l	100
96) 1,2,3-Trichlorobenzene	14.63	180	240950	20.03	ug/l	97

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

