

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD083118\
 Data File : VD059931.D
 Acq On : 31 Aug 2018 13:03
 Operator : JC/SY
 Sample : VD0831SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBSD01

Manual Integrations
 APPROVED

apatel
 9/4/2018 10:49:26 AM

Quant Time: Aug 31 14:47:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.37	168	1182683	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.42	114	1621628	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	1357806	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	734548	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.76	65	494480	49.61	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	99.22%	
35) Dibromofluoromethane	6.30	113	637948	50.18	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	100.36%	
50) Toluene-d8	9.43	98	1744823	49.45	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	98.90%	
62) 4-Bromofluorobenzene	12.42	95	698224	48.72	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	97.44%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.56	85	173042	16.37	ug/l	99
3) Chloromethane	1.73	50	165116	17.24	ug/l	95
4) Vinyl Chloride	1.82	62	128901	17.16	ug/l	93
5) Bromomethane	2.10	94	11242	8.67	ug/l #	76
6) Chloroethane	2.21	64	32030	11.77	ug/l	93
7) Trichlorofluoromethane	2.47	101	156003	17.96	ug/l	96
8) Diethyl Ether	2.79	74	37573	19.28	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.05	101	110159	20.70	ug/l	98
10) Methyl Iodide	3.21	142	79053	16.45	ug/l	98
11) Tert butyl alcohol	3.94	59	84557	111.17	ug/l	97
12) 1,1-Dichloroethene	3.03	96	81992	19.80	ug/l	92
13) Acrolein	2.95	56	22536	68.31	ug/l	91
14) Allyl chloride	3.49	41	192420	20.54	ug/l	98
15) Acrylonitrile	4.04	53	295061	103.59	ug/l	97
16) Acetone	3.13	43	192470	105.98	ug/l	99
17) Carbon Disulfide	3.27	76	198586	15.45	ug/l	99
18) Methyl Acetate	3.52	43	76198	20.10	ug/l	100
19) Methyl tert-butyl Ether	4.08	73	470479	20.08	ug/l	100
20) Methylene Chloride	3.68	84	294715	22.25	ug/l	97
21) trans-1,2-Dichloroethene	4.05	96	206347	18.08	ug/l	97
22) Diisopropyl ether	4.82	45	962231	20.14	ug/l	97
23) Vinyl Acetate	4.77	43	2801532	104.87	ug/l	100
24) 1,1-Dichloroethane	4.71	63	408925	19.81	ug/l	99
25) 2-Butanone	5.59	43	500175	92.99	ug/l	98
26) 2,2-Dichloropropane	5.55	77	347852	20.16	ug/l	98
27) cis-1,2-Dichloroethene	5.56	96	253891	20.32	ug/l	98
28) Bromochloromethane	5.89	49	203659	20.58	ug/l	95
29) Tetrahydrofuran	5.92	42	272100	106.26	ug/l	99
30) Chloroform	6.07	83	432767	20.63	ug/l	100
31) Cyclohexane	6.33	56	325004	17.12	ug/l	98
32) 1,1,1-Trichloroethane	6.26	97	344750	19.36	ug/l	98
36) 1,1-Dichloropropene	6.49	75	279952	19.04	ug/l	99
37) Ethyl Acetate	5.67	43	237485	20.76	ug/l	100
38) Carbon Tetrachloride	6.46	117	288967	19.48	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	293516	18.48	ug/l	98
40) Benzene	6.77	78	759390	19.87	ug/l	100
41) Methacrylonitrile	5.89	41	119340m	20.71	ug/l	
42) 1,2-Dichloroethane	6.87	62	242905	19.80	ug/l	98
43) Isopropyl Acetate	8.33	43	300682	20.20	ug/l #	100
44) Trichloroethene	7.71	130	223961	19.90	ug/l	93
45) 1,2-Dichloropropane	8.08	63	223457	20.91	ug/l	98
46) Dibromomethane	8.19	93	140408	20.44	ug/l	96
47) Bromodichloromethane	8.47	83	315301	20.27	ug/l	98
48) Methyl methacrylate	8.22	41	184002	21.21	ug/l	97
49) 1,4-Dioxane	8.21	88	34220	441.83	ug/l	90
51) 4-Methyl-2-Pentanone	9.33	43	1033746	93.17	ug/l	97
52) Toluene	9.53	92	497826	20.31	ug/l	98
53) t-1,3-Dichloropropene	9.90	75	296077	20.58	ug/l	97
54) cis-1,3-Dichloropropene	9.08	75	339263	20.34	ug/l	96
55) 1,1,2-Trichloroethane	10.16	97	186635	20.83	ug/l	96
56) Ethyl methacrylate	10.01	69	210777	20.38	ug/l	99
57) 1,3-Dichloropropane	10.37	76	278715	21.49	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.90	63	573643	115.65	ug/l	98
59) 2-Hexanone	10.48	43	796173	97.29	ug/l	98
60) Dibromochloromethane	10.63	129	230852	20.50	ug/l	97
61) 1,2-Dibromoethane	10.74	107	184739	20.39	ug/l	99
64) Tetrachloroethene	10.23	164	209740	19.98	ug/l	98
65) Chlorobenzene	11.30	112	570824	21.16	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	213527	21.66	ug/l	98
67) Ethyl Benzene	11.42	91	997290	21.97	ug/l	99
68) m/p-Xylenes	11.56	106	705288	42.67	ug/l	99
69) o-Xylene	11.92	106	341453	21.12	ug/l	91
70) Styrene	11.94	104	594477	21.24	ug/l	96
71) Bromoform	12.11	173	170806	20.03	ug/l #	99
73) Isopropylbenzene	12.27	105	954542	20.36	ug/l	99
74) N-amyl acetate	12.13	43	407749	19.86	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.55	83	227619	20.99	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	233174	20.42	ug/l	99
77) Bromobenzene	12.53	156	275510	21.19	ug/l	86
78) n-propylbenzene	12.63	91	1194271	20.11	ug/l	100
79) 2-Chlorotoluene	12.70	91	684097	20.37	ug/l	95
80) 1,3,5-Trimethylbenzene	12.79	105	760060	20.39	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	66005	18.59	ug/l	100
82) 4-Chlorotoluene	12.80	91	777176	20.29	ug/l	94
83) tert-Butylbenzene	13.04	119	852630	20.08	ug/l	92
84) 1,2,4-Trimethylbenzene	13.09	105	786772	20.25	ug/l	99
85) sec-Butylbenzene	13.21	105	1045813	20.94	ug/l	99
86) p-Isopropyltoluene	13.33	119	837661	20.62	ug/l	95
87) 1,3-Dichlorobenzene	13.30	146	488084	21.03	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	482851	20.85	ug/l	97
89) n-Butylbenzene	13.64	91	877392	19.95	ug/l	96
90) Hexachloroethane	13.85	117	199238	18.27	ug/l	88
91) 1,2-Dichlorobenzene	13.66	146	442586	22.43	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	32965	19.77	ug/l	65

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	353954	20.95	ug/l	98
94) Hexachlorobutadiene	14.88	225	235885	21.30	ug/l	99
95) Naphthalene	14.96	128	532739	20.63	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	303829	21.02	ug/l	99

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

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