

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082118\
 Data File : VD059851.D
 Acq On : 21 Aug 2018 13:04
 Operator : JC/SY
 Sample : VD0821SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Manual Integrations
 APPROVED

apatel
 8/22/2018 12:42:41 PM

Quant Time: Aug 22 01:22:28 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	5.60	168	1114975	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.65	114	1538163	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.66	117	1266007	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.89	152	613147	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.97	65	439228	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
35) Dibromofluoromethane	5.51	113	581794	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
50) Toluene-d8	8.67	98	1549225	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
62) 4-Bromofluorobenzene	11.90	95	603907	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.31	85	170626	17.77	ug/l	99
3) Chloromethane	1.46	50	137848	16.94	ug/l	97
4) Vinyl Chloride	1.53	62	112171	17.20	ug/l	97
5) Bromomethane	1.76	94	10777	12.58	ug/l	97
6) Chloroethane	1.85	64	25649	17.39	ug/l	93
7) Trichlorofluoromethane	2.05	101	120439	18.35	ug/l	99
8) Diethyl Ether	2.31	74	28019	19.10	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.52	101	87923	21.06	ug/l	98
10) Methyl Iodide	2.65	142	78433	16.79	ug/l	90
11) Tert butyl alcohol	3.23	59	28081	85.13	ug/l	98
12) 1,1-Dichloroethene	2.52	96	64858	19.00	ug/l	80
13) Acrolein	2.44	56	24154	72.26	ug/l	98
14) Allyl chloride	2.89	41	152511	17.47	ug/l	98
15) Acrylonitrile	3.33	53	142388	93.26	ug/l	99
16) Acetone	2.57	43	132804	88.79	ug/l	97
17) Carbon Disulfide	2.72	76	173438	15.24	ug/l	99
18) Methyl Acetate	2.90	43	53836	16.36	ug/l	100
19) Methyl tert-butyl Ether	3.36	73	364231	18.88	ug/l	98
20) Methylene Chloride	3.03	84	78816	15.03	ug/l	94
21) trans-1,2-Dichloroethene	3.34	96	165327	17.17	ug/l	98
22) Diisopropyl ether	4.02	45	847586	19.01	ug/l	99
23) Vinyl Acetate	3.97	43	2374458	99.13	ug/l	100
24) 1,1-Dichloroethane	3.92	63	368181	18.78	ug/l	100
25) 2-Butanone	4.79	43	396037	87.60	ug/l	96
26) 2,2-Dichloropropane	4.75	77	301556	19.60	ug/l	97
27) cis-1,2-Dichloroethene	4.76	96	231005	19.79	ug/l	93
28) Bromochloromethane	5.09	49	183120	18.43	ug/l	95
29) Tetrahydrofuran	5.14	42	221346	96.70	ug/l	98
30) Chloroform	5.28	83	378638	19.57	ug/l	99
31) Cyclohexane	5.55	56	296710	15.82	ug/l	95
32) 1,1,1-Trichloroethane	5.47	97	309634	18.99	ug/l	98
36) 1,1-Dichloropropene	5.70	75	261853	20.07	ug/l	98
37) Ethyl Acetate	4.88	43	195503	20.22	ug/l	98
38) Carbon Tetrachloride	5.67	117	262091	20.13	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.24	83	267260	19.15	ug/l	97
40) Benzene	5.97	78	695949	20.59	ug/l	100
41) Methacrylonitrile	5.08	41	94506	19.08	ug/l	98
42) 1,2-Dichloroethane	6.09	62	216414	19.66	ug/l	99
43) Isopropyl Acetate	7.57	43	252023	18.84	ug/l	100
44) Trichloroethene	6.94	130	206322	20.53	ug/l	93
45) 1,2-Dichloropropane	7.31	63	194933	19.64	ug/l	96
46) Dibromomethane	7.43	93	127783	20.68	ug/l	95
47) Bromodichloromethane	7.70	83	281558	20.64	ug/l	98
48) Methyl methacrylate	7.47	41	149225	20.23	ug/l	98
49) 1,4-Dioxane	7.45	88	27406	439.01	ug/l	96
51) 4-Methyl-2-Pentanone	8.56	43	832615	93.11	ug/l	96
52) Toluene	8.76	92	438100	20.50	ug/l	99
53) t-1,3-Dichloropropene	9.15	75	250330	20.14	ug/l	99
54) cis-1,3-Dichloropropene	8.32	75	295166	19.83	ug/l	99
55) 1,1,2-Trichloroethane	9.41	97	160204	20.77	ug/l	95
56) Ethyl methacrylate	9.28	69	178849	20.10	ug/l	96
57) 1,3-Dichloropropane	9.63	76	235721	20.90	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.15	63	481165	92.81	ug/l	97
59) 2-Hexanone	9.75	43	619056	93.66	ug/l	100
60) Dibromochloromethane	9.93	129	202097	20.34	ug/l	98
61) 1,2-Dibromoethane	10.05	107	159726	19.38	ug/l	97
64) Tetrachloroethene	9.47	164	187884	20.27	ug/l	97
65) Chlorobenzene	10.69	112	503520	20.62	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.82	131	181488	21.78	ug/l	98
67) Ethyl Benzene	10.83	91	855292	19.54	ug/l	98
68) m/p-Xylenes	10.99	106	602622	37.48	ug/l	97
69) o-Xylene	11.38	106	304512	21.52	ug/l	99
70) Styrene	11.41	104	527920	21.43	ug/l	96
71) Bromoform	11.58	173	144957	19.36	ug/l	99
73) Isopropylbenzene	11.75	105	829383	19.85	ug/l	98
74) N-amyl acetate	11.62	43	350412	18.73	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.05	83	190223	19.31	ug/l	99
76) 1,2,3-Trichloropropane	12.09	75	187213	18.46	ug/l	97
77) Bromobenzene	12.02	156	240564	20.71	ug/l	85
78) n-propylbenzene	12.13	91	1099765	21.19	ug/l	96
79) 2-Chlorotoluene	12.19	91	573286	19.19	ug/l	96
80) 1,3,5-Trimethylbenzene	12.30	105	659000	19.16	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.82	75	57558	18.15	ug/l	88
82) 4-Chlorotoluene	12.31	91	658847	19.38	ug/l	89
83) tert-Butylbenzene	12.55	119	677275m	20.55	ug/l	
84) 1,2,4-Trimethylbenzene	12.60	105	678403	19.73	ug/l	99
85) sec-Butylbenzene	12.74	105	877384	20.07	ug/l	96
86) p-Isopropyltoluene	12.87	119	687679	20.05	ug/l	97
87) 1,3-Dichlorobenzene	12.82	146	412240	21.08	ug/l	99
88) 1,4-Dichlorobenzene	12.91	146	408620	21.08	ug/l	100
89) n-Butylbenzene	13.17	91	705383	18.77	ug/l	98
90) Hexachloroethane	13.38	117	186799	19.09	ug/l	89
91) 1,2-Dichlorobenzene	13.17	146	345816	20.24	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.75	75	24990	17.05	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.31	180	292525	20.84	ug/l	98
94) Hexachlorobutadiene	14.41	225	198374	21.01	ug/l	95
95) Naphthalene	14.49	128	442340	19.29	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	251765	20.46	ug/l	98

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

