

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062118\
 Data File : VF059268.D
 Acq On : 21 Jun 2018 18:08
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 6/22/2018 11:34:42 AM

Quant Time: Jun 22 05:09:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 22 04:54:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	237960	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	368686	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	381387	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	229465	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	328982	111.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	223.20%	
35) Dibromofluoromethane	4.30	113	292699	112.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	224.16%	
50) Toluene-d8	7.71	98	793909	105.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	211.58%	
62) 4-Bromofluorobenzene	11.51	95	419984	106.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	212.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	276284	102.24	ug/l	97
3) Chloromethane	1.08	50	169231	84.00	ug/l	95
4) Vinyl Chloride	1.15	62	179641	96.99	ug/l	95
5) Bromomethane	1.34	94	115718	104.44	ug/l	97
6) Chloroethane	1.43	64	88985	113.07	ug/l	93
7) Trichlorofluoromethane	1.49	101	360230m	119.98	ug/l	
8) Diethyl Ether	1.70	74	82521	113.25	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.90	101	181490	97.90	ug/l	89
10) Methyl Iodide	1.96	142	355283	109.08	ug/l	92
11) Tert butyl alcohol	2.69	59	97157	522.86	ug/l	100
12) 1,1-Dichloroethene	1.85	96	170906	110.04	ug/l	98
13) Acrolein	2.09	56	77001	476.29	ug/l	96
14) Allyl chloride	2.19	41	323850	105.93	ug/l	95
15) Acrylonitrile	3.07	53	195136	547.11	ug/l	93
16) Acetone	2.33	43	374770	533.14	ug/l	97
17) Carbon Disulfide	1.87	76	431668	101.07	ug/l	95
18) Methyl Acetate	2.45	43	147204	119.72	ug/l	93
19) Methyl tert-butyl Ether	2.53	73	595775	119.74	ug/l	96
20) Methylene Chloride	2.27	84	169627m	102.72	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	183560	106.42	ug/l	95
22) Diisopropyl ether	2.93	45	677585	110.75	ug/l	98
23) Vinyl Acetate	3.33	43	2085332	522.61	ug/l	99
24) 1,1-Dichloroethane	3.00	63	414554	111.22	ug/l	99
25) 2-Butanone	4.51	43	516036	480.33	ug/l	97
26) 2,2-Dichloropropane	3.75	77	288646	107.27	ug/l	96
27) cis-1,2-Dichloroethene	3.63	96	271652	102.96	ug/l	96
28) Bromochloromethane	3.89	49	155345	94.19	ug/l	97
29) Tetrahydrofuran	4.25	42	226757	483.75	ug/l	99
30) Chloroform	4.04	83	618018	116.27	ug/l	95
31) Cyclohexane	3.86	56	292354	93.01	ug/l	96
32) 1,1,1-Trichloroethane	4.28	97	449207	112.51	ug/l	98
36) 1,1-Dichloropropene	4.45	75	400401	111.67	ug/l	97
37) Ethyl Acetate	4.29	43	232200	103.74	ug/l	95
38) Carbon Tetrachloride	4.17	117	474737m	119.35	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	353938	99.68	ug/l	89
40) Benzene	4.81	78	814693	98.88	ug/l	96
41) Methacrylonitrile	4.92	41	115974	105.54	ug/l	97
42) 1,2-Dichloroethane	5.11	62	480763	123.45	ug/l	99
43) Isopropyl Acetate	7.10	43	317671	105.64	ug/l	99
44) Trichloroethene	5.68	130	283241	107.13	ug/l	92
45) 1,2-Dichloropropane	6.40	63	241223	101.14	ug/l	100
46) Dibromomethane	6.25	93	208078	114.43	ug/l	93
47) Bromodichloromethane	6.54	83	501291	119.44	ug/l	97
48) Methyl methacrylate	6.87	41	215057	116.77	ug/l	94
49) 1,4-Dioxane	6.87	88	22329	1830.36	ug/l	89
51) 4-Methyl-2-Pentanone	8.41	43	1058184	512.51	ug/l	100
52) Toluene	7.78	92	618123	103.23	ug/l	96
53) t-1,3-Dichloropropene	8.43	75	456263	111.41	ug/l	100
54) cis-1,3-Dichloropropene	7.46	75	498756	108.46	ug/l	98
55) 1,1,2-Trichloroethane	8.63	97	248429	112.63	ug/l	96
56) Ethyl methacrylate	8.76	69	296000	106.50	ug/l	95
57) 1,3-Dichloropropane	9.00	76	408653	109.12	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.78	63	113612	566.33	ug/l	100
59) 2-Hexanone	9.63	43	802988	491.42	ug/l	96
60) Dibromochloromethane	8.86	129	386860	120.73	ug/l	93
61) 1,2-Dibromoethane	9.14	107	290028	112.95	ug/l	96
64) Tetrachloroethene	8.31	164	289307	102.69	ug/l	97
65) Chlorobenzene	9.94	112	815415	106.60	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	336809	110.08	ug/l	95
67) Ethyl Benzene	10.04	91	1327579	100.76	ug/l	98
68) m/p-Xylenes	10.27	106	943359	188.61	ug/l	94
69) o-Xylene	10.83	106	526228	97.81	ug/l	98
70) Styrene	10.90	104	788590	97.44	ug/l	98
71) Bromoform	10.89	173	240958	114.40	ug/l #	97
73) Isopropylbenzene	11.23	105	1651986	104.07	ug/l	96
74) N-amyl acetate	11.46	43	535332	95.11	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	359192	95.43	ug/l	99
76) 1,2,3-Trichloropropane	11.89	75	262188	94.10	ug/l	100
77) Bromobenzene	11.60	156	411203	101.59	ug/l	96
78) n-propylbenzene	11.69	91	1747442	92.95	ug/l	98
79) 2-Chlorotoluene	11.82	91	1079513	96.83	ug/l	98
80) 1,3,5-Trimethylbenzene	11.92	105	1261072	95.47	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	171684	94.62	ug/l	95
82) 4-Chlorotoluene	11.99	91	1124666	94.65	ug/l	99
83) tert-Butylbenzene	12.21	119	1276675	96.87	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	1338204	98.36	ug/l	96
85) sec-Butylbenzene	12.39	105	1728543	97.37	ug/l	96
86) p-Isopropyltoluene	12.54	119	1431776	97.92	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	703827	94.49	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	726677	101.13	ug/l	97
89) n-Butylbenzene	12.92	91	1382103	90.92	ug/l	96
90) Hexachloroethane	13.00	117	364608	101.49	ug/l	99
91) 1,2-Dichlorobenzene	13.02	146	694414	96.88	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	83474	111.24	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	532780	104.42	ug/l	99
94) Hexachlorobutadiene	14.26	225	326186	110.79	ug/l	99
95) Naphthalene	14.53	128	1160479	106.40	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	523816	110.98	ug/l	98

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

