

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062118\
 Data File : VF059267.D
 Acq On : 21 Jun 2018 17:41
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

apatel
 6/22/2018 11:34:39 AM

Quant Time: Jun 22 05:07:36 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	234086	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	360815	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	372491	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	229328	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	242946	83.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	167.56%	
35) Dibromofluoromethane	4.29	113	212548	83.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	166.34%	
50) Toluene-d8	7.71	98	545064	74.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	148.44%	
62) 4-Bromofluorobenzene	11.51	95	291598	75.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	150.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	190145	71.53	ug/l	97
3) Chloromethane	1.09	50	113784	57.42	ug/l	91
4) Vinyl Chloride	1.15	62	118259	64.90	ug/l	100
5) Bromomethane	1.34	94	75801	69.55	ug/l	100
6) Chloroethane	1.43	64	58208	75.19	ug/l	95
7) Trichlorofluoromethane	1.49	101	250131m	84.69	ug/l	
8) Diethyl Ether	1.70	74	53947	75.26	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.90	101	127656	70.00	ug/l	89
10) Methyl Iodide	1.96	142	240410	75.03	ug/l	94
11) Tert butyl alcohol	2.68	59	71763	392.59	ug/l	95
12) 1,1-Dichloroethene	1.86	96	122241	80.01	ug/l	94
13) Acrolein	2.09	56	54038	339.79	ug/l	96
14) Allyl chloride	2.19	41	211707	70.40	ug/l	99
15) Acrylonitrile	3.09	53	145427	414.48	ug/l	95
16) Acetone	2.34	43	285522	412.90	ug/l	100
17) Carbon Disulfide	1.87	76	292561m	69.63	ug/l	
18) Methyl Acetate	2.46	43	98064m	81.08	ug/l	
19) Methyl tert-butyl Ether	2.54	73	400563	81.84	ug/l	96
20) Methylene Chloride	2.28	84	118031m	72.66	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	121346	71.52	ug/l	93
22) Diisopropyl ether	2.93	45	443308	73.66	ug/l	98
23) Vinyl Acetate	3.33	43	1421818	362.22	ug/l	99
24) 1,1-Dichloroethane	3.00	63	276427	75.39	ug/l	99
25) 2-Butanone	4.51	43	358530	339.24	ug/l	100
26) 2,2-Dichloropropane	3.77	77	196226	74.13	ug/l	100
27) cis-1,2-Dichloroethene	3.63	96	179451	69.14	ug/l	94
28) Bromochloromethane	3.89	49	108756	67.03	ug/l	95
29) Tetrahydrofuran	4.25	42	156007	338.32	ug/l	97
30) Chloroform	4.03	83	403207	77.11	ug/l	96
31) Cyclohexane	3.86	56	189869	61.40	ug/l	93
32) 1,1,1-Trichloroethane	4.28	97	308388	78.52	ug/l	98
36) 1,1-Dichloropropene	4.46	75	265998	75.81	ug/l	97
37) Ethyl Acetate	4.29	43	160899	73.45	ug/l #	91
38) Carbon Tetrachloride	4.17	117	330772m	84.97	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	237806	68.44	ug/l	94
40) Benzene	4.81	78	573745	71.15	ug/l	98
41) Methacrylonitrile	4.92	41	79267	73.71	ug/l #	89
42) 1,2-Dichloroethane	5.12	62	328851	86.28	ug/l	99
43) Isopropyl Acetate	7.11	43	213469	72.53	ug/l	97
44) Trichloroethene	5.67	130	189389	73.19	ug/l	86
45) 1,2-Dichloropropane	6.40	63	170463	73.03	ug/l	98
46) Dibromomethane	6.25	93	139013	78.12	ug/l	92
47) Bromodichloromethane	6.55	83	342603	83.41	ug/l	99
48) Methyl methacrylate	6.87	41	144415	80.12	ug/l	91
49) 1,4-Dioxane	6.87	88	17724	1484.57	ug/l #	84
51) 4-Methyl-2-Pentanone	8.40	43	712865	352.79	ug/l	98
52) Toluene	7.78	92	417017	71.16	ug/l	93
53) t-1,3-Dichloropropene	8.43	75	296780	74.05	ug/l	97
54) cis-1,3-Dichloropropene	7.45	75	345395	76.75	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	169111	78.34	ug/l	96
56) Ethyl methacrylate	8.76	69	206922	76.07	ug/l	94
57) 1,3-Dichloropropane	9.00	76	283149	77.26	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	76303	388.65	ug/l	100
59) 2-Hexanone	9.63	43	569908	356.38	ug/l	93
60) Dibromochloromethane	8.86	129	258329	82.38	ug/l	95
61) 1,2-Dibromoethane	9.14	107	199511	79.40	ug/l	100
64) Tetrachloroethene	8.30	164	190302	69.16	ug/l	93
65) Chlorobenzene	9.94	112	537456	71.94	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	224038	74.97	ug/l	96
67) Ethyl Benzene	10.04	91	879820	68.37	ug/l	100
68) m/p-Xylenes	10.27	106	668411	136.83	ug/l	99
69) o-Xylene	10.83	106	378008	71.94	ug/l	97
70) Styrene	10.90	104	561428	71.03	ug/l	99
71) Bromoform	10.89	173	164315	79.88	ug/l #	100
73) Isopropylbenzene	11.23	105	1087868	68.57	ug/l	99
74) N-amyl acetate	11.47	43	361108	64.19	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	258103	68.61	ug/l	99
76) 1,2,3-Trichloropropane	11.89	75	195098	70.07	ug/l	93
77) Bromobenzene	11.59	156	282741	69.90	ug/l	85
78) n-propylbenzene	11.69	91	1217576	64.80	ug/l	98
79) 2-Chlorotoluene	11.81	91	763372	68.52	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	938699	71.11	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	116056	64.00	ug/l	89
82) 4-Chlorotoluene	11.99	91	823565	69.35	ug/l	96
83) tert-Butylbenzene	12.22	119	892894	67.79	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	948470	69.76	ug/l	99
85) sec-Butylbenzene	12.39	105	1218016	68.65	ug/l	97
86) p-Isopropyltoluene	12.54	119	1029332	70.44	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	492601	66.17	ug/l	96
88) 1,4-Dichlorobenzene	12.65	146	518146	72.15	ug/l	96
89) n-Butylbenzene	12.92	91	1000579	65.86	ug/l	98
90) Hexachloroethane	12.99	117	262357	73.07	ug/l	83
91) 1,2-Dichlorobenzene	13.02	146	502614	70.16	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	56784	75.72	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	377130	73.96	ug/l	98
94) Hexachlorobutadiene	14.26	225	225492	76.64	ug/l	99
95) Naphthalene	14.52	128	824053	75.60	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	369269	78.28	ug/l	96

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

