

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073018\
 Data File : VF059690.D
 Acq On : 30 Jul 2018 15:57
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 85 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

apatel
 7/31/2018 12:13:25 PM

Quant Time: Jul 31 04:09:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 03:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	198942	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	286436	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	277164	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	182352	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	244918	78.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	156.76%	
35) Dibromofluoromethane	4.29	113	200184	73.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	146.04%	
50) Toluene-d8	7.71	98	455956	68.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	137.58%	
62) 4-Bromofluorobenzene	11.51	95	246433	68.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	137.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	152259	74.12	ug/l	97
3) Chloromethane	1.08	50	76848	66.17	ug/l	93
4) Vinyl Chloride	1.15	62	85871	69.85	ug/l #	88
5) Bromomethane	1.34	94	70293	65.68	ug/l	97
6) Chloroethane	1.43	64	52110	67.94	ug/l	90
7) Trichlorofluoromethane	1.54	101	238960m	64.64	ug/l	
8) Diethyl Ether	1.70	74	41896	79.99	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.90	101	127537	64.89	ug/l	95
10) Methyl Iodide	1.97	142	193503	67.26	ug/l	98
11) Tert butyl alcohol	2.68	59	56747	423.04	ug/l #	83
12) 1,1-Dichloroethene	1.85	96	101098	69.52	ug/l	90
13) Acrolein	2.09	56	28100	473.31	ug/l #	70
14) Allyl chloride	2.19	41	159496	67.05	ug/l	97
15) Acrylonitrile	3.06	53	78321	383.05	ug/l #	90
16) Acetone	2.33	43	223458	392.49	ug/l	96
17) Carbon Disulfide	1.89	76	218323m	61.76	ug/l	
18) Methyl Acetate	2.45	43	61945	65.00	ug/l	97
19) Methyl tert-butyl Ether	2.53	73	323701	79.66	ug/l	100
20) Methylene Chloride	2.27	84	92254m	44.00	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	92281	61.87	ug/l	95
22) Diisopropyl ether	2.93	45	342095	71.95	ug/l	94
23) Vinyl Acetate	3.33	43	925128	392.48	ug/l	98
24) 1,1-Dichloroethane	2.99	63	238587	70.53	ug/l	98
25) 2-Butanone	4.50	43	218240	347.91	ug/l #	83
26) 2,2-Dichloropropane	3.75	77	167846	60.99	ug/l	98
27) cis-1,2-Dichloroethene	3.63	96	125079	71.50	ug/l	99
28) Bromochloromethane	3.88	49	85136	68.31	ug/l	91
29) Tetrahydrofuran	4.25	42	92440	367.15	ug/l	94
30) Chloroform	4.03	83	321609	67.30	ug/l	95
31) Cyclohexane	3.85	56	123030	63.29	ug/l	98
32) 1,1,1-Trichloroethane	4.27	97	257994	65.81	ug/l	97
36) 1,1-Dichloropropene	4.45	75	191684	61.70	ug/l	95
37) Ethyl Acetate	4.29	43	97054	71.61	ug/l #	75
38) Carbon Tetrachloride	4.17	117	286158m	62.78	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	147924	58.50	ug/l	99
40) Benzene	4.80	78	359169	65.09	ug/l	99
41) Methacrylonitrile	4.92	41	48699	72.97	ug/l	88
42) 1,2-Dichloroethane	5.11	62	260548	72.56	ug/l	98
43) Isopropyl Acetate	7.10	43	108294	77.17	ug/l #	93
44) Trichloroethene	5.67	130	124479	58.24	ug/l	80
45) 1,2-Dichloropropane	6.39	63	99409	67.79	ug/l	100
46) Dibromomethane	6.25	93	92564	72.69	ug/l	92
47) Bromodichloromethane	6.54	83	253810	68.03	ug/l	97
48) Methyl methacrylate	6.87	41	88831	80.66	ug/l	94
49) 1,4-Dioxane	6.86	88	12548	1427.68	ug/l	98
51) 4-Methyl-2-Pentanone	8.41	43	435064	385.26	ug/l	100
52) Toluene	7.77	92	259198	63.24	ug/l	93
53) t-1,3-Dichloropropene	8.43	75	212257	71.12	ug/l	95
54) cis-1,3-Dichloropropene	7.45	75	216962	70.06	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	98551	72.39	ug/l	96
56) Ethyl methacrylate	8.76	69	113883	78.91	ug/l	98
57) 1,3-Dichloropropane	9.00	76	171905	73.02	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.77	63	57148	327.95	ug/l	100
59) 2-Hexanone	9.63	43	332022	396.36	ug/l	98
60) Dibromochloromethane	8.86	129	187852	76.49	ug/l	98
61) 1,2-Dibromoethane	9.14	107	126986	77.14	ug/l	98
64) Tetrachloroethene	8.30	164	134319	60.82	ug/l	97
65) Chlorobenzene	9.93	112	350021	65.00	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	169026	68.20	ug/l	96
67) Ethyl Benzene	10.03	91	633228	64.85	ug/l	99
68) m/p-Xylenes	10.27	106	430774	127.47	ug/l	97
69) o-Xylene	10.82	106	243148	66.62	ug/l	96
70) Styrene	10.90	104	344320	64.87	ug/l	98
71) Bromoform	10.89	173	114048	74.62	ug/l #	99
73) Isopropylbenzene	11.23	105	778193	62.52	ug/l	99
74) N-amyl acetate	11.46	43	188774	74.00	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	140048	68.52	ug/l	95
76) 1,2,3-Trichloropropane	11.89	75	118106	70.36	ug/l	97
77) Bromobenzene	11.59	156	198740	65.78	ug/l	94
78) n-propylbenzene	11.69	91	832163	58.03	ug/l	99
79) 2-Chlorotoluene	11.81	91	531637	60.92	ug/l	98
80) 1,3,5-Trimethylbenzene	11.92	105	660932	60.50	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	50927m	58.43	ug/l	
82) 4-Chlorotoluene	11.98	91	545072	59.28	ug/l	100
83) tert-Butylbenzene	12.21	119	694242	62.88	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	666267	59.35	ug/l	97
85) sec-Butylbenzene	12.39	105	885075	60.93	ug/l	98
86) p-Isopropyltoluene	12.54	119	745387	59.67	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	348043	59.08	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	363762	64.81	ug/l	98
89) n-Butylbenzene	12.92	91	717826	59.42	ug/l	98
90) Hexachloroethane	12.99	117	192136	60.43	ug/l	99
91) 1,2-Dichlorobenzene	13.02	146	340941	62.25	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	37593	75.62	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	277531	63.23	ug/l	99
94) Hexachlorobutadiene	14.25	225	194640	60.27	ug/l	97
95) Naphthalene	14.52	128	511042	73.06	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	272113	68.20	ug/l	95

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

