

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073018\
 Data File : VF059687.D
 Acq On : 30 Jul 2018 14:34
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 82 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 7/31/2018 12:12:35 PM

Quant Time: Jul 31 04:02:34 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	223464	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	322011	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	310767	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	202479	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	42149	12.01	ug/l	0.00
Spiked Amount						
			Recovery	=	24.02%	
35) Dibromofluoromethane	4.29	113	33412	10.84	ug/l	0.00
Spiked Amount						
			Recovery	=	21.68%	
50) Toluene-d8	7.71	98	79423	10.66	ug/l	0.00
Spiked Amount						
			Recovery	=	21.32%	
62) 4-Bromofluorobenzene	11.50	95	45269	11.23	ug/l	0.00
Spiked Amount						
			Recovery	=	22.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.15	62	5729	4.15	ug/l	97
5) Bromomethane	1.33	94	8755	7.28	ug/l	# 68
6) Chloroethane	1.43	64	6231	7.23	ug/l	98
7) Trichlorofluoromethane	1.53	101	31686m	7.63	ug/l	
8) Diethyl Ether	1.69	74	6982	11.87	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.89	101	22227	10.07	ug/l	90
10) Methyl Iodide	1.96	142	31120	9.63	ug/l	99
11) Tert butyl alcohol	2.66	59	9732	64.59	ug/l	# 87
12) 1,1-Dichloroethene	1.85	96	15522	9.50	ug/l	82
13) Acrolein	2.08	56	3157m	47.34	ug/l	
14) Allyl chloride	2.19	41	27976	10.47	ug/l	# 94
15) Acrylonitrile	3.05	53	15338	66.78	ug/l	# 76
16) Acetone	2.32	43	43352	67.79	ug/l	97
17) Carbon Disulfide	1.88	76	31081m	7.83	ug/l	
18) Methyl Acetate	2.44	43	11621	10.86	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	55711	12.20	ug/l	100
20) Methylene Chloride	2.27	84	29329m	12.45	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	18277	10.91	ug/l	89
22) Diisopropyl ether	2.91	45	61984	11.61	ug/l	99
23) Vinyl Acetate	3.32	43	172473	65.14	ug/l	99
24) 1,1-Dichloroethane	2.99	63	43530	11.46	ug/l	99
25) 2-Butanone	4.50	43	45190	64.13	ug/l	# 89
26) 2,2-Dichloropropane	3.75	77	30692	9.93	ug/l	99
27) cis-1,2-Dichloroethene	3.62	96	19972	10.16	ug/l	80
28) Bromochloromethane	3.87	49	18451	13.18	ug/l	96
29) Tetrahydrofuran	4.25	42	19037	67.31	ug/l	96
30) Chloroform	4.02	83	62714	11.68	ug/l	96
31) Cyclohexane	3.86	56	23183	10.62	ug/l	99
32) 1,1,1-Trichloroethane	4.27	97	48495	11.01	ug/l	93
36) 1,1-Dichloropropene	4.45	75	35838	10.26	ug/l	93
37) Ethyl Acetate	4.28	43	23113	15.17	ug/l	# 73
38) Carbon Tetrachloride	4.17	117	55161	10.76	ug/l	# 92
39) Methylcyclohexane	5.62	83	30271	10.65	ug/l	92
40) Benzene	4.80	78	69853	11.26	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.92	41	10881	14.50	ug/l	88
42) 1,2-Dichloroethane	5.10	62	48834	12.10	ug/l	97
43) Isopropyl Acetate	7.10	43	21444	13.59	ug/l #	96
44) Trichloroethene	5.67	130	28554	11.88	ug/l	90
45) 1,2-Dichloropropane	6.39	63	18793	11.40	ug/l	90
46) Dibromomethane	6.25	93	16628	11.61	ug/l #	85
47) Bromodichloromethane	6.54	83	48893	11.66	ug/l #	96
48) Methyl methacrylate	6.87	41	14959	12.08	ug/l #	89
49) 1,4-Dioxane	6.86	88	2250	227.72	ug/l #	80
51) 4-Methyl-2-Pentanone	8.40	43	82305	64.83	ug/l	98
52) Toluene	7.77	92	55115	11.96	ug/l	90
53) t-1,3-Dichloropropene	8.42	75	40627	12.11	ug/l	94
54) cis-1,3-Dichloropropene	7.45	75	41049	11.79	ug/l	98
55) 1,1,2-Trichloroethane	8.63	97	18595	12.15	ug/l	92
56) Ethyl methacrylate	8.75	69	20940	12.91	ug/l	96
57) 1,3-Dichloropropane	9.00	76	33769	12.76	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.77	63	11824	60.36	ug/l	100
59) 2-Hexanone	9.63	43	65319	69.36	ug/l	96
60) Dibromochloromethane	8.86	129	34277	12.41	ug/l	97
61) 1,2-Dibromoethane	9.13	107	22533	12.18	ug/l	84
64) Tetrachloroethene	8.30	164	26726	10.79	ug/l	95
65) Chlorobenzene	9.93	112	70340	11.65	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	31782	11.44	ug/l	94
67) Ethyl Benzene	10.03	91	118870	10.86	ug/l	100
68) m/p-Xylenes	10.26	106	86846	22.92	ug/l	97
69) o-Xylene	10.82	106	46565	11.38	ug/l	100
70) Styrene	10.90	104	70777	11.89	ug/l	96
71) Bromoform	10.88	173	21907	12.78	ug/l	98
73) Isopropylbenzene	11.22	105	153447	11.10	ug/l	98
74) N-amyl acetate	11.46	43	33080	11.68	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	11.79	83	28565	12.59	ug/l	92
76) 1,2,3-Trichloropropane	11.89	75	23875	12.81	ug/l	95
77) Bromobenzene	11.59	156	39459	11.76	ug/l	93
78) n-propylbenzene	11.69	91	174261	10.94	ug/l	100
79) 2-Chlorotoluene	11.81	91	106903	11.03	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	135572	11.18	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	10087m	10.42	ug/l	
82) 4-Chlorotoluene	11.98	91	118114	11.57	ug/l	99
83) tert-Butylbenzene	12.21	119	135962	11.09	ug/l	100
84) 1,2,4-Trimethylbenzene	12.28	105	143944	11.55	ug/l	99
85) sec-Butylbenzene	12.39	105	181204	11.23	ug/l	98
86) p-Isopropyltoluene	12.54	119	148157	10.68	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	76745	11.73	ug/l	93
88) 1,4-Dichlorobenzene	12.64	146	72274	11.60	ug/l	98
89) n-Butylbenzene	12.92	91	146687	10.94	ug/l	96
90) Hexachloroethane	12.99	117	39594	11.21	ug/l	98
91) 1,2-Dichlorobenzene	13.02	146	72374	11.90	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.71	75	7510	13.61	ug/l	86
93) 1,2,4-Trichlorobenzene	14.26	180	57180	11.73	ug/l	97
94) Hexachlorobutadiene	14.25	225	40316	11.24	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	14.52	128	92148	11.86	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	53105	11.99	ug/l	98

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

