

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073018\
 Data File : VF059698.D
 Acq On : 30 Jul 2018 20:27
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 94 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICSVF073018

Manual Integrations
 APPROVED

apatel
 7/31/2018 12:13:19 PM

Quant Time: Jul 31 05:37:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 05:19:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	209971	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	299947	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	289997	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	185458	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	173370	45.94	ug/l	0.00
Spiked Amount			Recovery	=	91.88%	
35) Dibromofluoromethane	4.29	113	144061	46.24	ug/l	0.00
Spiked Amount			Recovery	=	92.48%	
50) Toluene-d8	7.71	98	337434	46.45	ug/l	0.00
Spiked Amount			Recovery	=	92.90%	
62) 4-Bromofluorobenzene	11.51	95	181430	45.11	ug/l	0.00
Spiked Amount			Recovery	=	90.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	104192	43.38	ug/l	97
3) Chloromethane	1.08	50	62429	51.33	ug/l	96
4) Vinyl Chloride	1.15	62	61138	46.72	ug/l	93
5) Bromomethane	1.34	94	48904	45.36	ug/l	95
6) Chloroethane	1.42	64	38469	48.44	ug/l #	87
7) Trichlorofluoromethane	1.53	101	166441m	42.45	ug/l	
8) Diethyl Ether	1.70	74	29286	43.68	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.89	101	87757	42.73	ug/l	96
10) Methyl Iodide	1.96	142	143640	49.62	ug/l #	88
11) Tert butyl alcohol	2.69	59	40444	265.90	ug/l	95
12) 1,1-Dichloroethene	1.85	96	71357	43.88	ug/l	94
13) Acrolein	2.09	56	20565	257.52	ug/l	92
14) Allyl chloride	2.19	41	118315	45.57	ug/l	91
15) Acrylonitrile	3.07	53	64268	263.58	ug/l #	86
16) Acetone	2.33	43	148650	219.00	ug/l	98
17) Carbon Disulfide	1.88	76	160412m	48.01	ug/l	
18) Methyl Acetate	2.44	43	51836	49.11	ug/l	95
19) Methyl tert-butyl Ether	2.54	73	226249	45.63	ug/l	99
20) Methylene Chloride	2.27	84	69210m	46.22	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	68262	47.84	ug/l	95
22) Diisopropyl ether	2.93	45	249304	45.41	ug/l	98
23) Vinyl Acetate	3.33	43	727488	257.73	ug/l	98
24) 1,1-Dichloroethane	2.99	63	173393	45.46	ug/l #	96
25) 2-Butanone	4.50	43	166933	220.37	ug/l #	78
26) 2,2-Dichloropropane	3.75	77	116232	42.75	ug/l	89
27) cis-1,2-Dichloroethene	3.63	96	88135	43.15	ug/l	95
28) Bromochloromethane	3.88	49	66914	50.40	ug/l #	75
29) Tetrahydrofuran	4.25	42	69421	238.45	ug/l	98
30) Chloroform	4.03	83	238358	44.28	ug/l	92
31) Cyclohexane	3.84	56	90159	48.66	ug/l	88
32) 1,1,1-Trichloroethane	4.27	97	181773	43.53	ug/l	100
36) 1,1-Dichloropropene	4.44	75	143484	47.02	ug/l	96
37) Ethyl Acetate	4.29	43	71337	47.42	ug/l #	93
38) Carbon Tetrachloride	4.17	117	202505	42.46	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	111170	47.83	ug/l	94
40) Benzene	4.80	78	273286	45.12	ug/l	98
41) Methacrylonitrile	4.92	41	37523	49.68	ug/l	95
42) 1,2-Dichloroethane	5.11	62	191315	45.13	ug/l	97
43) Isopropyl Acetate	7.10	43	82433	45.96	ug/l #	89
44) Trichloroethene	5.67	130	98448	48.28	ug/l	93
45) 1,2-Dichloropropane	6.39	63	77917	48.71	ug/l	96
46) Dibromomethane	6.25	93	67030	44.14	ug/l	87
47) Bromodichloromethane	6.54	83	190775	46.13	ug/l	99
48) Methyl methacrylate	6.87	41	62402	46.26	ug/l	94
49) 1,4-Dioxane	6.87	88	9265	1064.85	ug/l #	68
51) 4-Methyl-2-Pentanone	8.41	43	329725	241.67	ug/l	96
52) Toluene	7.77	92	189598	46.85	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	157486	43.88	ug/l	97
54) cis-1,3-Dichloropropene	7.45	75	165978	47.75	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	75889	46.26	ug/l	96
56) Ethyl methacrylate	8.75	69	81344	47.55	ug/l	95
57) 1,3-Dichloropropane	9.00	76	132095	46.94	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.77	63	42139	213.33	ug/l	100
59) 2-Hexanone	9.63	43	264453	241.88	ug/l	95
60) Dibromochloromethane	8.86	129	131021	45.26	ug/l	96
61) 1,2-Dibromoethane	9.14	107	87896	45.88	ug/l	95
64) Tetrachloroethene	8.30	164	100067	51.22	ug/l	96
65) Chlorobenzene	9.93	112	255023	43.96	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.07	131	127736	47.16	ug/l	96
67) Ethyl Benzene	10.03	91	455734	45.40	ug/l	98
68) m/p-Xylenes	10.27	106	323547	103.52	ug/l	97
69) o-Xylene	10.82	106	177768	48.07	ug/l	96
70) Styrene	10.90	104	265680	47.42	ug/l	98
71) Bromoform	10.89	173	82961	47.01	ug/l	97
73) Isopropylbenzene	11.22	105	567978	46.68	ug/l	100
74) N-amyl acetate	11.46	43	154507	50.33	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	111782	48.80	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	89413	45.90	ug/l	99
77) Bromobenzene	11.59	156	144299	45.41	ug/l	95
78) n-propylbenzene	11.69	91	626645	50.27	ug/l	98
79) 2-Chlorotoluene	11.81	91	394804	50.32	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	490598	50.80	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	39716m	49.23	ug/l	
82) 4-Chlorotoluene	11.98	91	416362	49.62	ug/l	99
83) tert-Butylbenzene	12.21	119	500920	45.86	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	492276	50.29	ug/l	98
85) sec-Butylbenzene	12.39	105	639110	51.59	ug/l	99
86) p-Isopropyltoluene	12.54	119	566961	52.61	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	268548	51.80	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	262624	49.97	ug/l	98
89) n-Butylbenzene	12.92	91	525028	51.19	ug/l	99
90) Hexachloroethane	12.99	117	143566	46.78	ug/l	100
91) 1,2-Dichlorobenzene	13.02	146	267914	53.04	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	28080	50.15	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	216358	53.94	ug/l	96
94) Hexachlorobutadiene	14.25	225	147478	48.48	ug/l	97
95) Naphthalene	14.52	128	406307	50.81	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	209016	47.29	ug/l	99

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

