

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\
 Data File : VF059722.D
 Acq On : 31 Jul 2018 21:12
 Operator : VA/AP
 Sample : VF0731SBS02
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0731SBS02

Manual Integrations
 APPROVED

apatel

8/1/2018 4:29:25 PM

Quant Time: Aug 01 07:52:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	162160	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	226356	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	227940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	152476	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	167100	57.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.68%	
35) Dibromofluoromethane	4.29	113	124362	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	
50) Toluene-d8	7.71	98	259457	47.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.64%	
62) 4-Bromofluorobenzene	11.50	95	156024	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	57143	28.972	ug/l	98
3) Chloromethane	1.09	50	23262	21.941	ug/l	99
4) Vinyl Chloride	1.15	62	24915	22.786	ug/l	98
5) Bromomethane	1.33	94	22868	25.662	ug/l	93
6) Chloroethane	1.41	64	19155	29.546	ug/l	88
7) Trichlorofluoromethane	1.54	101	76986m	25.422	ug/l	
8) Diethyl Ether	1.71	74	11035	21.311	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.90	101	39667	25.010	ug/l #	79
10) Methyl Iodide	1.95	142	62399	26.130	ug/l	96
11) Tert butyl alcohol	2.70	59	14103	119.254	ug/l	99
12) 1,1-Dichloroethene	1.84	96	31131	24.790	ug/l	98
13) Acrolein	2.08	56	3866	74.840	ug/l #	49
14) Allyl chloride	2.19	41	48480	24.179	ug/l	98
15) Acrylonitrile	3.07	53	21966	116.687	ug/l #	80
16) Acetone	2.34	43	49612	94.642	ug/l	97
17) Carbon Disulfide	1.89	76	76592m	27.313	ug/l	
18) Methyl Acetate	2.45	43	28292	33.093	ug/l	96
19) Methyl tert-butyl Ether	2.54	73	86248	22.521	ug/l	99
20) Methylene Chloride	2.28	84	30107	22.422	ug/l	92
21) trans-1,2-Dichloroethene	2.41	96	29410	25.504	ug/l	90
22) Diisopropyl ether	2.93	45	95991	22.639	ug/l	94
23) Vinyl Acetate	3.33	43	221541	101.629	ug/l	98
24) 1,1-Dichloroethane	3.00	63	73021	24.788	ug/l	96
25) 2-Butanone	4.51	43	57178	97.738	ug/l #	87
26) 2,2-Dichloropropane	3.76	77	51934	24.731	ug/l	93
27) cis-1,2-Dichloroethene	3.63	96	34009	21.559	ug/l	95
28) Bromochloromethane	3.88	49	26656	23.560	ug/l	87
29) Tetrahydrofuran	4.26	42	23244	103.378	ug/l	99
30) Chloroform	4.03	83	97117	23.359	ug/l	98
31) Cyclohexane	3.85	56	33714	21.243	ug/l	85
32) 1,1,1-Trichloroethane	4.27	97	83597	25.923	ug/l	97
36) 1,1-Dichloropropene	4.46	75	57398	22.906	ug/l	94
37) Ethyl Acetate	4.29	43	26741	20.982	ug/l	87
38) Carbon Tetrachloride	4.16	117	86854m	24.133	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	43000	22.198	ug/l	90
40) Benzene	4.80	78	99068	21.672	ug/l	95
41) Methacrylonitrile	4.92	41	12874	20.962	ug/l #	84
42) 1,2-Dichloroethane	5.12	62	79808	24.947	ug/l	99
43) Isopropyl Acetate	7.12	43	24850	18.360	ug/l #	94
44) Trichloroethene	5.67	130	39954	23.244	ug/l	94
45) 1,2-Dichloropropane	6.41	63	27156	22.495	ug/l	100
46) Dibromomethane	6.25	93	27919	24.360	ug/l	93
47) Bromodichloromethane	6.55	83	76212	24.418	ug/l	100
48) Methyl methacrylate	6.87	41	18160	17.838	ug/l	95
49) 1,4-Dioxane	6.86	88	2844	410.236	ug/l #	87
51) 4-Methyl-2-Pentanone	8.40	43	112514	109.278	ug/l	96
52) Toluene	7.78	92	73465	22.700	ug/l	94
53) t-1,3-Dichloropropene	8.42	75	60743	22.429	ug/l	94
54) cis-1,3-Dichloropropene	7.45	75	56008	21.351	ug/l	99
55) 1,1,2-Trichloroethane	8.64	97	26833	21.674	ug/l	95
56) Ethyl methacrylate	8.75	69	24822	19.225	ug/l	98
57) 1,3-Dichloropropane	9.00	76	46915	22.089	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.78	63	17550	117.731	ug/l	100
59) 2-Hexanone	9.63	43	74653	90.480	ug/l	88
60) Dibromochloromethane	8.86	129	50406	23.074	ug/l	99
61) 1,2-Dibromoethane	9.14	107	32817	22.701	ug/l	89
64) Tetrachloroethene	8.30	164	43530	26.185	ug/l	97
65) Chlorobenzene	9.94	112	99786	21.884	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	50419	23.684	ug/l	98
67) Ethyl Benzene	10.04	91	179741	22.783	ug/l	98
68) m/p-Xylenes	10.26	106	129063	48.285	ug/l	93
69) o-Xylene	10.82	106	67444	23.201	ug/l	99
70) Styrene	10.90	104	100667	22.859	ug/l	99
71) Bromoform	10.88	173	33429	24.099	ug/l	94
73) Isopropylbenzene	11.23	105	215083	21.498	ug/l	100
74) N-amyl acetate	11.46	43	47696	18.896	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	40968	21.754	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	34394	21.477	ug/l	93
77) Bromobenzene	11.59	156	56128	21.484	ug/l	93
78) n-propylbenzene	11.68	91	257269	22.313	ug/l	97
79) 2-Chlorotoluene	11.81	91	162681	22.819	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	217790	25.010	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.96	75	15097m	22.764	ug/l	
82) 4-Chlorotoluene	11.99	91	175763	23.356	ug/l	97
83) tert-Butylbenzene	12.21	119	209071	23.279	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	211819	23.944	ug/l	99
85) sec-Butylbenzene	12.38	105	260728	22.556	ug/l	94
86) p-Isopropyltoluene	12.54	119	225792	22.240	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	109077	22.342	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	103159	21.564	ug/l	97
89) n-Butylbenzene	12.91	91	222210	23.200	ug/l	93
90) Hexachloroethane	12.99	117	60479	23.967	ug/l	91
91) 1,2-Dichlorobenzene	13.01	146	111529	24.500	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	10133	22.010	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	84123	22.718	ug/l	97
94) Hexachlorobutadiene	14.25	225	59775	23.901	ug/l	96
95) Naphthalene	14.52	128	135258	20.575	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	80236	22.082	ug/l	96

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

