

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070518\
 Data File : VF059429.D
 Acq On : 5 Jul 2018 12:58
 Operator : VA/AP
 Sample : VF0705SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0705SBS01

Manual Integrations
 APPROVED

apatel
 7/6/2018 10:00:31 AM

Quant Time: Jul 06 05:29:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	265074	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.72	114	384700	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.88	117	400239	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	258378	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.99	65	159082	46.45	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	92.90%	
35) Dibromofluoromethane	4.26	113	139202	49.52	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	99.04%	
50) Toluene-d8	7.68	98	326832	46.96	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	93.92%	
62) 4-Bromofluorobenzene	11.48	95	184176	46.91	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	93.82%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	54421	22.471	ug/l	91
3) Chloromethane	1.07	50	29987	18.431	ug/l	91
4) Vinyl Chloride	1.13	62	31881	19.907	ug/l	93
5) Bromomethane	1.33	94	19265	18.249	ug/l	98
6) Chloroethane	1.42	64	15785	19.569	ug/l	100
7) Trichlorofluoromethane	1.47	101	67933m	21.451	ug/l	
8) Diethyl Ether	1.68	74	15614	19.229	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.88	101	35942	19.443	ug/l	95
10) Methyl Iodide	1.95	142	68404	20.292	ug/l	93
11) Tert butyl alcohol	2.66	59	24504	107.476	ug/l	94
12) 1,1-Dichloroethene	1.84	96	34596	22.138	ug/l	95
13) Acrolein	2.07	56	12153	100.204	ug/l	97
14) Allyl chloride	2.17	41	66897	22.804	ug/l	98
15) Acrylonitrile	3.04	53	44213	110.120	ug/l	91
16) Acetone	2.31	43	111731	125.555	ug/l	98
17) Carbon Disulfide	1.86	76	73786	20.072	ug/l #	94
18) Methyl Acetate	2.43	43	34284	21.517	ug/l #	91
19) Methyl tert-butyl Ether	2.52	73	133811	22.956	ug/l	96
20) Methylene Chloride	2.25	84	43195m	17.720	ug/l	
21) trans-1,2-Dichloroethene	2.38	96	36329	21.792	ug/l	98
22) Diisopropyl ether	2.91	45	152564	23.485	ug/l	95
23) Vinyl Acetate	3.30	43	483888	116.961	ug/l	97
24) 1,1-Dichloroethane	2.97	63	95900	23.810	ug/l	97
25) 2-Butanone	4.47	43	123901	118.145	ug/l	99
26) 2,2-Dichloropropane	3.73	77	65608	23.617	ug/l	99
27) cis-1,2-Dichloroethene	3.60	96	56731	22.414	ug/l	81
28) Bromochloromethane	3.85	49	41143	24.429	ug/l	92
29) Tetrahydrofuran	4.22	42	51526	112.088	ug/l	96
30) Chloroform	4.00	83	130034	22.301	ug/l	98
31) Cyclohexane	3.84	56	58295	22.094	ug/l #	79
32) 1,1,1-Trichloroethane	4.24	97	98521	23.089	ug/l	93
36) 1,1-Dichloropropene	4.41	75	82573	24.570	ug/l	97
37) Ethyl Acetate	4.26	43	55665	25.157	ug/l #	98
38) Carbon Tetrachloride	4.13	117	109033m	25.709	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.59	83	69741	23.418	ug/l	95
40) Benzene	4.77	78	170025	22.818	ug/l	99
41) Methacrylonitrile	4.88	41	25884	22.579	ug/l #	95
42) 1,2-Dichloroethane	5.07	62	104025	23.891	ug/l	99
43) Isopropyl Acetate	7.08	43	63502	22.685	ug/l #	81
44) Trichloroethene	5.64	130	60777	23.777	ug/l	98
45) 1,2-Dichloropropane	6.37	63	48271	22.674	ug/l	98
46) Dibromomethane	6.22	93	42887	23.210	ug/l	99
47) Bromodichloromethane	6.51	83	109664	24.518	ug/l	99
48) Methyl methacrylate	6.84	41	43751	23.320	ug/l	99
49) 1,4-Dioxane	6.83	88	4012	374.162	ug/l #	80
51) 4-Methyl-2-Pentanone	8.38	43	255188	123.051	ug/l	99
52) Toluene	7.75	92	118098	21.181	ug/l	91
53) t-1,3-Dichloropropene	8.40	75	106404	26.098	ug/l	97
54) cis-1,3-Dichloropropene	7.42	75	104425	23.580	ug/l	91
55) 1,1,2-Trichloroethane	8.60	97	51046	23.580	ug/l	93
56) Ethyl methacrylate	8.73	69	58548	21.832	ug/l	97
57) 1,3-Dichloropropane	8.97	76	87077	23.453	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.75	63	23337	116.031	ug/l	100
59) 2-Hexanone	9.60	43	203579	122.017	ug/l	99
60) Dibromochloromethane	8.83	129	78584	23.513	ug/l	95
61) 1,2-Dibromoethane	9.11	107	59939	22.830	ug/l	88
64) Tetrachloroethene	8.27	164	61758	23.791	ug/l	97
65) Chlorobenzene	9.90	112	165629	22.333	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.04	131	72607	22.636	ug/l	95
67) Ethyl Benzene	10.00	91	283694	22.548	ug/l	97
68) m/p-Xylenes	10.24	106	203814	45.513	ug/l	96
69) o-Xylene	10.80	106	114558	22.871	ug/l	95
70) Styrene	10.87	104	175459	22.996	ug/l	96
71) Bromoform	10.86	173	50716	23.068	ug/l	96
73) Isopropylbenzene	11.21	105	353303	23.471	ug/l	98
74) N-amyl acetate	11.44	43	123144	22.544	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.77	83	83640	22.002	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	63299	22.074	ug/l	99
77) Bromobenzene	11.57	156	93325	22.347	ug/l	94
78) n-propylbenzene	11.66	91	409463	22.650	ug/l	92
79) 2-Chlorotoluene	11.79	91	252436	22.856	ug/l	99
80) 1,3,5-Trimethylbenzene	11.89	105	308434	23.392	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.93	75	34387	20.148	ug/l	95
82) 4-Chlorotoluene	11.96	91	258305	21.835	ug/l	94
83) tert-Butylbenzene	12.19	119	308040	23.358	ug/l	94
84) 1,2,4-Trimethylbenzene	12.27	105	311229	22.412	ug/l	100
85) sec-Butylbenzene	12.37	105	409382	23.419	ug/l	98
86) p-Isopropyltoluene	12.52	119	344642	23.493	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	173001	22.567	ug/l	96
88) 1,4-Dichlorobenzene	12.62	146	165897	22.244	ug/l	97
89) n-Butylbenzene	12.90	91	358575	24.078	ug/l	97
90) Hexachloroethane	12.97	117	85666	23.430	ug/l	77
91) 1,2-Dichlorobenzene	13.00	146	171063	22.563	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.70	75	16381	19.438	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	132260	23.593	ug/l	97
94) Hexachlorobutadiene	14.24	225	75118	23.990	ug/l	90
95) Naphthalene	14.51	128	258182	22.012	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	118815	22.373	ug/l	97

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

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