

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070518\
 Data File : VF059430.D
 Acq On : 5 Jul 2018 13:25
 Operator : VA/AP
 Sample : VF0705SBSD01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0705SBSD01

Manual Integrations
 APPROVED

apatel
 7/6/2018 10:00:39 AM

Quant Time: Jul 06 05:32:01 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	5.00	168	264669	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.73	114	373104	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.88	117	392450	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	247111	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.99	65	147962	43.27	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	86.54%	
35) Dibromofluoromethane	4.26	113	138076	50.65	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	101.30%	
50) Toluene-d8	7.68	98	306276	45.38	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	90.76%	
62) 4-Bromofluorobenzene	11.49	95	186649	49.02	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	98.04%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	50163	20.745	ug/l	95
3) Chloromethane	1.08	50	28614	17.614	ug/l	100
4) Vinyl Chloride	1.13	62	32650	20.418	ug/l	99
5) Bromomethane	1.33	94	19416	18.486	ug/l	96
6) Chloroethane	1.42	64	14150	17.569	ug/l #	78
7) Trichlorofluoromethane	1.48	101	61684m	19.507	ug/l	
8) Diethyl Ether	1.69	74	14923	18.406	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	1.88	101	42028	22.770	ug/l	94
10) Methyl Iodide	1.95	142	65588	19.486	ug/l	96
11) Tert butyl alcohol	2.68	59	19841	87.157	ug/l	100
12) 1,1-Dichloroethene	1.84	96	34221	21.931	ug/l	96
13) Acrolein	2.08	56	9214	71.044	ug/l	92
14) Allyl chloride	2.17	41	62231	21.246	ug/l	97
15) Acrylonitrile	3.05	53	41780	104.220	ug/l	96
16) Acetone	2.32	43	93014	102.914	ug/l	98
17) Carbon Disulfide	1.85	76	65896	17.953	ug/l	98
18) Methyl Acetate	2.43	43	30142	18.804	ug/l #	92
19) Methyl tert-butyl Ether	2.52	73	120491	20.702	ug/l	93
20) Methylene Chloride	2.25	84	41097m	16.476	ug/l	
21) trans-1,2-Dichloroethene	2.39	96	35709	21.453	ug/l	90
22) Diisopropyl ether	2.91	45	139970	21.579	ug/l	97
23) Vinyl Acetate	3.30	43	434452	105.173	ug/l	99
24) 1,1-Dichloroethane	2.97	63	89360	22.220	ug/l	98
25) 2-Butanone	4.48	43	109886	104.631	ug/l #	91
26) 2,2-Dichloropropane	3.72	77	60864	21.943	ug/l	97
27) cis-1,2-Dichloroethene	3.61	96	51384	20.332	ug/l	82
28) Bromochloromethane	3.85	49	39203	23.101	ug/l	97
29) Tetrahydrofuran	4.22	42	44988	96.862	ug/l	97
30) Chloroform	4.00	83	128634	22.095	ug/l	98
31) Cyclohexane	3.83	56	51568	19.574	ug/l #	95
32) 1,1,1-Trichloroethane	4.24	97	93632	21.977	ug/l	97
36) 1,1-Dichloropropene	4.42	75	77961	23.919	ug/l	99
37) Ethyl Acetate	4.26	43	50000	23.187	ug/l #	91
38) Carbon Tetrachloride	4.14	117	99805	24.264	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.59	83	65214	22.579	ug/l	93
40) Benzene	4.78	78	167090	23.121	ug/l	99
41) Methacrylonitrile	4.89	41	21753	19.565	ug/l #	85
42) 1,2-Dichloroethane	5.08	62	96599	22.875	ug/l	97
43) Isopropyl Acetate	7.08	43	53686	19.775	ug/l #	82
44) Trichloroethene	5.64	130	55173	22.256	ug/l	98
45) 1,2-Dichloropropane	6.37	63	46111	22.333	ug/l	94
46) Dibromomethane	6.22	93	40894	22.819	ug/l	94
47) Bromodichloromethane	6.51	83	98019	22.595	ug/l	97
48) Methyl methacrylate	6.84	41	38039	20.905	ug/l	98
49) 1,4-Dioxane	6.85	88	3970	382.654	ug/l #	73
51) 4-Methyl-2-Pentanone	8.38	43	223982	111.360	ug/l	99
52) Toluene	7.75	92	115223	21.308	ug/l	100
53) t-1,3-Dichloropropene	8.40	75	90368	22.854	ug/l	97
54) cis-1,3-Dichloropropene	7.42	75	96536	22.476	ug/l	94
55) 1,1,2-Trichloroethane	8.60	97	44507	21.198	ug/l	90
56) Ethyl methacrylate	8.73	69	53537	20.584	ug/l	100
57) 1,3-Dichloropropane	8.97	76	79392	22.048	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.75	63	23065	118.243	ug/l	100
59) 2-Hexanone	9.60	43	187807	115.178	ug/l	97
60) Dibromochloromethane	8.83	129	73498	22.675	ug/l	99
61) 1,2-Dibromoethane	9.11	107	55062	21.624	ug/l	99
64) Tetrachloroethene	8.27	164	54233	21.307	ug/l	95
65) Chlorobenzene	9.91	112	152561	20.979	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.04	131	70979	22.567	ug/l	97
67) Ethyl Benzene	10.01	91	270193	21.901	ug/l	99
68) m/p-Xylenes	10.24	106	185648	42.279	ug/l	99
69) o-Xylene	10.80	106	109003	22.194	ug/l	97
70) Styrene	10.88	104	158924	21.242	ug/l	97
71) Bromoform	10.86	173	45885	21.285	ug/l	98
73) Isopropylbenzene	11.21	105	318072	22.094	ug/l	99
74) N-amyl acetate	11.44	43	110870	21.223	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.77	83	74167	20.399	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	55195	20.125	ug/l	98
77) Bromobenzene	11.57	156	82271	20.598	ug/l	89
78) n-propylbenzene	11.67	91	376264	21.763	ug/l	99
79) 2-Chlorotoluene	11.79	91	231321	21.900	ug/l	96
80) 1,3,5-Trimethylbenzene	11.89	105	265064	21.019	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.93	75	34239	20.975	ug/l	93
82) 4-Chlorotoluene	11.96	91	250927	22.179	ug/l	91
83) tert-Butylbenzene	12.19	119	289913	22.986	ug/l	92
84) 1,2,4-Trimethylbenzene	12.27	105	290573	21.879	ug/l	97
85) sec-Butylbenzene	12.37	105	373934	22.367	ug/l	98
86) p-Isopropyltoluene	12.52	119	333878	23.797	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	164310	22.376	ug/l	96
88) 1,4-Dichlorobenzene	12.62	146	152797	21.421	ug/l	98
89) n-Butylbenzene	12.90	91	333017	23.381	ug/l	97
90) Hexachloroethane	12.98	117	82639	23.633	ug/l	96
91) 1,2-Dichlorobenzene	13.00	146	164133	22.636	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	13.70	75	17054	21.160	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	121813	22.720	ug/l	97
94) Hexachlorobutadiene	14.24	225	73717	24.616	ug/l	97
95) Naphthalene	14.51	128	241663	21.543	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	116634	22.964	ug/l	96

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

