

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070318\
 Data File : VF059406.D
 Acq On : 3 Jul 2018 12:23
 Operator : VA/AP
 Sample : VF0703SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0703SBS01

Manual Integrations
 APPROVED

apatel
 7/5/2018 12:41:22 PM

Quant Time: Jul 04 00:43:02 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	287990	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.72	114	413058	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.88	117	408265	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	261523	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.99	65	162170	43.58	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	87.16%	
35) Dibromofluoromethane	4.25	113	141558	46.90	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	93.80%	
50) Toluene-d8	7.68	98	335200	44.86	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	89.72%	
62) 4-Bromofluorobenzene	11.48	95	188305	44.67	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	89.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	51184	19.453	ug/l	94
3) Chloromethane	1.08	50	30359	17.175	ug/l	95
4) Vinyl Chloride	1.13	62	32308	18.568	ug/l	98
5) Bromomethane	1.33	94	15868	12.082	ug/l	98
6) Chloroethane	1.42	64	14404	16.436	ug/l	92
7) Trichlorofluoromethane	1.51	101	72315m	21.017	ug/l	
8) Diethyl Ether	1.69	74	15792	17.900	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.88	101	34896	17.375	ug/l	99
10) Methyl Iodide	1.96	142	54765	14.953	ug/l	97
11) Tert butyl alcohol	2.67	59	19167	77.378	ug/l #	81
12) 1,1-Dichloroethene	1.84	96	34278	20.189	ug/l	92
13) Acrolein	2.07	56	10938	79.414	ug/l	93
14) Allyl chloride	2.17	41	54970	17.247	ug/l	97
15) Acrylonitrile	3.05	53	37070	84.983	ug/l	92
16) Acetone	2.32	43	89078	89.304	ug/l	98
17) Carbon Disulfide	1.86	76	73583	18.424	ug/l	98
18) Methyl Acetate	2.43	43	32749	18.774	ug/l #	89
19) Methyl tert-butyl Ether	2.52	73	116928	18.463	ug/l #	89
20) Methylene Chloride	2.29	84	36967m	12.117	ug/l	
21) trans-1,2-Dichloroethene	2.39	96	35179	19.423	ug/l	88
22) Diisopropyl ether	2.90	45	137789	19.523	ug/l	97
23) Vinyl Acetate	3.31	43	459833	102.303	ug/l	99
24) 1,1-Dichloroethane	2.97	63	86806	19.837	ug/l	97
25) 2-Butanone	4.47	43	115948	101.379	ug/l	97
26) 2,2-Dichloropropane	3.72	77	63661	21.093	ug/l	97
27) cis-1,2-Dichloroethene	3.60	96	54272	19.736	ug/l	81
28) Bromochloromethane	3.85	49	41816	22.554	ug/l	90
29) Tetrahydrofuran	4.23	42	44076	86.299	ug/l	96
30) Chloroform	4.00	83	130455	20.593	ug/l	100
31) Cyclohexane	3.82	56	45795	15.975	ug/l #	84
32) 1,1,1-Trichloroethane	4.23	97	86871	18.739	ug/l	99
36) 1,1-Dichloropropene	4.42	75	77250	21.408	ug/l	96
37) Ethyl Acetate	4.27	43	51966	21.674	ug/l #	80
38) Carbon Tetrachloride	4.13	117	96615	21.217	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.59	83	64307	20.111	ug/l	94
40) Benzene	4.77	78	171328	21.414	ug/l	97
41) Methacrylonitrile	4.89	41	22698	18.441	ug/l	97
42) 1,2-Dichloroethane	5.07	62	102211	21.863	ug/l	98
43) Isopropyl Acetate	7.07	43	55225	18.374	ug/l	94
44) Trichloroethene	5.64	130	57635	21.000	ug/l	93
45) 1,2-Dichloropropane	6.37	63	47265	20.677	ug/l	100
46) Dibromomethane	6.22	93	40601	20.464	ug/l	97
47) Bromodichloromethane	6.51	83	104308	21.719	ug/l	97
48) Methyl methacrylate	6.84	41	38537	19.131	ug/l	90
49) 1,4-Dioxane	6.83	88	3581	303.542	ug/l	94
51) 4-Methyl-2-Pentanone	8.38	43	222361	99.861	ug/l	98
52) Toluene	7.75	92	123755	20.672	ug/l	100
53) t-1,3-Dichloropropene	8.40	75	93494	21.357	ug/l	98
54) cis-1,3-Dichloropropene	7.42	75	96010	20.191	ug/l	94
55) 1,1,2-Trichloroethane	8.60	97	48306	20.782	ug/l	96
56) Ethyl methacrylate	8.73	69	52462	18.220	ug/l	97
57) 1,3-Dichloropropane	8.97	76	79695	19.991	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.75	63	24303	112.538	ug/l	100
59) 2-Hexanone	9.60	43	179608	97.027	ug/l	97
60) Dibromochloromethane	8.83	129	72341	20.159	ug/l	97
61) 1,2-Dibromoethane	9.11	107	57164	20.278	ug/l	89
64) Tetrachloroethene	8.27	164	58340	22.032	ug/l	93
65) Chlorobenzene	9.90	112	156512	20.688	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.04	131	75411	23.048	ug/l	97
67) Ethyl Benzene	10.00	91	282979	22.049	ug/l	99
68) m/p-Xylenes	10.24	106	193708	42.406	ug/l	99
69) o-Xylene	10.80	106	108752	21.285	ug/l	100
70) Styrene	10.87	104	161386	20.736	ug/l	98
71) Bromoform	10.86	173	47796	21.312	ug/l	98
73) Isopropylbenzene	11.21	105	325992	21.397	ug/l	98
74) N-amyl acetate	11.44	43	109186	19.748	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	76840	19.970	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	57116	19.678	ug/l	94
77) Bromobenzene	11.57	156	89391	21.148	ug/l	90
78) n-propylbenzene	11.67	91	382172	20.887	ug/l	100
79) 2-Chlorotoluene	11.79	91	244190	21.844	ug/l	97
80) 1,3,5-Trimethylbenzene	11.89	105	287450	21.538	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.93	75	33690	19.502	ug/l	91
82) 4-Chlorotoluene	11.96	91	252140	21.058	ug/l	88
83) tert-Butylbenzene	12.19	119	290553	21.767	ug/l	92
84) 1,2,4-Trimethylbenzene	12.27	105	298881	21.264	ug/l	95
85) sec-Butylbenzene	12.37	105	400674	22.646	ug/l	98
86) p-Isopropyltoluene	12.52	119	335866	22.620	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	161519	20.423	ug/l	98
88) 1,4-Dichlorobenzene	12.62	146	157359	20.845	ug/l	100
89) n-Butylbenzene	12.90	91	334516	22.192	ug/l	97
90) Hexachloroethane	12.98	117	80727	21.814	ug/l	100
91) 1,2-Dichlorobenzene	13.00	146	158107	20.603	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	16649	19.519	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	123471	21.760	ug/l	98
94) Hexachlorobutadiene	14.24	225	74788	23.597	ug/l	99
95) Naphthalene	14.51	128	237239	19.983	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	115103	21.414	ug/l	96

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

