

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070318\
 Data File : VF059407.D
 Acq On : 3 Jul 2018 12:54
 Operator : VA/AP
 Sample : VF0703SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0703SBS01

Manual Integrations
 APPROVED

apatel
 7/5/2018 12:41:27 PM

Quant Time: Jul 04 00:44:54 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	265832	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.73	114	408800	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.88	117	395630	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.61	152	256056	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.98	65	163144	47.50	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	95.00%	
35) Dibromofluoromethane	4.25	113	146782	49.14	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	98.28%	
50) Toluene-d8	7.67	98	340629	46.06	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	92.12%	
62) 4-Bromofluorobenzene	11.48	95	200783	48.13	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	96.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	51703	21.288	ug/l	97
3) Chloromethane	1.07	50	30586	18.745	ug/l	96
4) Vinyl Chloride	1.13	62	30787	19.169	ug/l	99
5) Bromomethane	1.33	94	17324	15.631	ug/l	97
6) Chloroethane	1.41	64	15405	19.044	ug/l	96
7) Trichlorofluoromethane	1.51	101	71851m	22.623	ug/l	
8) Diethyl Ether	1.69	74	15433	18.952	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.87	101	34460	18.588	ug/l	91
10) Methyl Iodide	1.94	142	61931	18.319	ug/l	100
11) Tert butyl alcohol	2.66	59	20060	87.733	ug/l	95
12) 1,1-Dichloroethene	1.83	96	32818	20.940	ug/l	87
13) Acrolein	2.06	56	10439	82.820	ug/l	86
14) Allyl chloride	2.16	41	56188	19.099	ug/l	87
15) Acrylonitrile	3.04	53	35296	87.660	ug/l	89
16) Acetone	2.32	43	82781	89.980	ug/l	99
17) Carbon Disulfide	1.86	76	73338	19.893	ug/l #	94
18) Methyl Acetate	2.41	43	33688	21.058	ug/l #	84
19) Methyl tert-butyl Ether	2.50	73	122551	20.964	ug/l	94
20) Methylene Chloride	2.29	84	37679m	14.284	ug/l	
21) trans-1,2-Dichloroethene	2.38	96	34726	20.771	ug/l	95
22) Diisopropyl ether	2.89	45	140190	21.519	ug/l	98
23) Vinyl Acetate	3.29	43	443505	106.894	ug/l	100
24) 1,1-Dichloroethane	2.97	63	84281	20.866	ug/l	98
25) 2-Butanone	4.47	43	114142	108.303	ug/l #	89
26) 2,2-Dichloropropane	3.72	77	58983	21.172	ug/l	95
27) cis-1,2-Dichloroethene	3.59	96	51805	20.409	ug/l	90
28) Bromochloromethane	3.84	49	39432	23.141	ug/l	99
29) Tetrahydrofuran	4.23	42	49129	106.117	ug/l	96
30) Chloroform	3.99	83	130393	22.299	ug/l	98
31) Cyclohexane	3.81	56	54539	20.611	ug/l	94
32) 1,1,1-Trichloroethane	4.23	97	85818	20.055	ug/l	96
36) 1,1-Dichloropropene	4.42	75	76303	21.366	ug/l	94
37) Ethyl Acetate	4.25	43	52213	22.027	ug/l #	89
38) Carbon Tetrachloride	4.13	117	96351	21.379	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.58	83	65380	20.660	ug/l	84
40) Benzene	4.77	78	161613	20.411	ug/l	98
41) Methacrylonitrile	4.88	41	21596	17.728	ug/l #	91
42) 1,2-Dichloroethane	5.08	62	100059	21.626	ug/l	97
43) Isopropyl Acetate	7.08	43	60782	20.433	ug/l #	90
44) Trichloroethene	5.63	130	61404	22.606	ug/l	86
45) 1,2-Dichloropropane	6.37	63	46214	20.428	ug/l	97
46) Dibromomethane	6.21	93	41290	21.028	ug/l	99
47) Bromodichloromethane	6.51	83	104259	21.935	ug/l	90
48) Methyl methacrylate	6.84	41	38807	19.465	ug/l	94
49) 1,4-Dioxane	6.83	88	4242	372.067	ug/l	92
51) 4-Methyl-2-Pentanone	8.37	43	223008	101.194	ug/l	99
52) Toluene	7.74	92	123104	20.777	ug/l	96
53) t-1,3-Dichloropropene	8.39	75	93372	21.552	ug/l	97
54) cis-1,3-Dichloropropene	7.42	75	100409	21.336	ug/l	96
55) 1,1,2-Trichloroethane	8.60	97	48557	21.108	ug/l	93
56) Ethyl methacrylate	8.72	69	57412	20.146	ug/l	94
57) 1,3-Dichloropropane	8.97	76	86628	21.957	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.74	63	24031	112.438	ug/l	100
59) 2-Hexanone	9.59	43	193162	107.007	ug/l	98
60) Dibromochloromethane	8.82	129	77848	21.920	ug/l	97
61) 1,2-Dibromoethane	9.10	107	59376	21.282	ug/l	98
64) Tetrachloroethene	8.27	164	61248	23.869	ug/l	95
65) Chlorobenzene	9.91	112	161321	22.005	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.03	131	69502	21.920	ug/l	92
67) Ethyl Benzene	10.00	91	282838	22.742	ug/l	97
68) m/p-Xylenes	10.23	106	202658	45.782	ug/l	98
69) o-Xylene	10.80	106	109543	22.125	ug/l	93
70) Styrene	10.87	104	172180	22.829	ug/l	98
71) Bromoform	10.86	173	48786	22.448	ug/l	89
73) Isopropylbenzene	11.20	105	335343	22.480	ug/l	99
74) N-amyl acetate	11.43	43	117959	21.791	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.76	83	73859	19.605	ug/l	99
76) 1,2,3-Trichloropropane	11.86	75	61150	21.518	ug/l	95
77) Bromobenzene	11.57	156	86673	20.942	ug/l	84
78) n-propylbenzene	11.66	91	391529	21.855	ug/l	96
79) 2-Chlorotoluene	11.79	91	233392	21.324	ug/l	99
80) 1,3,5-Trimethylbenzene	11.89	105	287791	22.024	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.94	75	34358	20.313	ug/l	95
82) 4-Chlorotoluene	11.97	91	259047	22.096	ug/l	94
83) tert-Butylbenzene	12.19	119	294714	22.551	ug/l	94
84) 1,2,4-Trimethylbenzene	12.26	105	304624	22.135	ug/l	94
85) sec-Butylbenzene	12.36	105	394211	22.756	ug/l	95
86) p-Isopropyltoluene	12.52	119	323089	22.224	ug/l	97
87) 1,3-Dichlorobenzene	12.54	146	182098	24.284	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	157798	21.350	ug/l	95
89) n-Butylbenzene	12.89	91	339038	22.972	ug/l	96
90) Hexachloroethane	12.97	117	78923	21.782	ug/l	85
91) 1,2-Dichlorobenzene	13.00	146	166474	22.157	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.69	75	16032	19.197	ug/l	68

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	126705	22.807	ug/l	97
94) Hexachlorobutadiene	14.23	225	73866	23.804	ug/l	94
95) Naphthalene	14.51	128	248011	21.337	ug/l	100
96) 1,2,3-Trichlorobenzene	14.65	180	116741	22.182	ug/l	99

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

