

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110718\
 Data File : VF060627.D
 Acq On : 7 Nov 2018 13:52
 Operator : VA/AP
 Sample : VF1107SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1107SBS01

Manual Integrations
 APPROVED

apatel
 11/8/2018 10:28:35 AM

Quant Time: Nov 07 15:04:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	287495	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.61	114	501632	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.78	117	439070	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	240775	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	165500	56.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.96%	
35) Dibromofluoromethane	4.12	113	194967	50.31	ug/l	0.01
Spiked Amount	50.000		Recovery	=	100.62%	
50) Toluene-d8	7.56	98	558850	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
62) 4-Bromofluorobenzene	11.42	95	255586	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	82303	25.430	ug/l	99
3) Chloromethane	1.10	50	56059	22.280	ug/l	96
4) Vinyl Chloride	1.14	62	54071	23.321	ug/l	94
5) Bromomethane	1.32	94	25455	19.559	ug/l	100
6) Chloroethane	1.37	64	16828	17.290	ug/l	97
7) Trichlorofluoromethane	1.49	101	99225m	22.865	ug/l	
8) Diethyl Ether	1.63	74	13064	16.243	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.81	101	51698	20.848	ug/l	94
10) Methyl Iodide	1.89	142	86487	21.194	ug/l	99
11) Tert butyl alcohol	2.57	59	13202	82.237	ug/l #	80
12) 1,1-Dichloroethene	1.78	96	42013	20.116	ug/l	93
13) Acrolein	2.00	56	14372	135.401	ug/l	93
14) Allyl chloride	2.10	41	73536	21.563	ug/l	98
15) Acrylonitrile	2.95	53	32829	94.830	ug/l	91
16) Acetone	2.25	43	73023	106.685	ug/l	98
17) Carbon Disulfide	1.82	76	128265	21.802	ug/l	97
18) Methyl Acetate	2.35	43	20275m	19.366	ug/l	
19) Methyl tert-butyl Ether	2.43	73	103174	21.132	ug/l	100
20) Methylene Chloride	2.19	84	44297	18.370	ug/l	95
21) trans-1,2-Dichloroethene	2.31	96	46473	21.209	ug/l	99
22) Diisopropyl ether	2.81	45	154458	21.377	ug/l	97
23) Vinyl Acetate	3.19	43	413354	95.215	ug/l	96
24) 1,1-Dichloroethane	2.88	63	84802	20.280	ug/l	97
25) 2-Butanone	4.34	43	148879	95.881	ug/l	97
26) 2,2-Dichloropropane	3.61	77	74975	23.962	ug/l	98
27) cis-1,2-Dichloroethene	3.48	96	85661	20.479	ug/l	92
28) Bromochloromethane	3.72	49	55227	21.045	ug/l	96
29) Tetrahydrofuran	4.08	42	52505	96.899	ug/l	97
30) Chloroform	3.86	83	141867	21.444	ug/l	99
31) Cyclohexane	3.70	56	124962	21.655	ug/l	94
32) 1,1,1-Trichloroethane	4.11	97	112316	24.308	ug/l	89
36) 1,1-Dichloropropene	4.29	75	116528	21.098	ug/l	98
37) Ethyl Acetate	4.12	43	48781	18.398	ug/l #	83
38) Carbon Tetrachloride	4.00	117	93658m	19.844	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	144548	21.445	ug/l	98
40) Benzene	4.64	78	278593	20.780	ug/l	99
41) Methacrylonitrile	4.75	41	28185	18.771	ug/l	98
42) 1,2-Dichloroethane	4.95	62	82104	21.337	ug/l	97
43) Isopropyl Acetate	6.97	43	60161	17.938	ug/l #	95
44) Trichloroethene	5.51	130	82879	20.569	ug/l	100
45) 1,2-Dichloropropane	6.24	63	73571	21.456	ug/l	99
46) Dibromomethane	6.10	93	42273	19.433	ug/l	88
47) Bromodichloromethane	6.40	83	106328	20.265	ug/l	97
48) Methyl methacrylate	6.72	41	37012	17.559	ug/l	91
49) 1,4-Dioxane	6.72	88	7632	346.126	ug/l #	73
51) 4-Methyl-2-Pentanone	8.26	43	215848	95.707	ug/l	100
52) Toluene	7.63	92	160156	18.338	ug/l	98
53) t-1,3-Dichloropropene	8.29	75	89144	19.548	ug/l	93
54) cis-1,3-Dichloropropene	7.32	75	119563	20.751	ug/l	100
55) 1,1,2-Trichloroethane	8.50	97	50009	19.678	ug/l	98
56) Ethyl methacrylate	8.63	69	60501	18.503	ug/l	95
57) 1,3-Dichloropropane	8.86	76	90825	20.368	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.63	63	21758	90.737	ug/l	100
59) 2-Hexanone	9.51	43	166847	95.949	ug/l	99
60) Dibromochloromethane	8.73	129	67745	19.060	ug/l	100
61) 1,2-Dibromoethane	8.99	107	54530	20.404	ug/l	90
64) Tetrachloroethene	8.16	164	71428	20.758	ug/l	95
65) Chlorobenzene	9.81	112	185448	20.654	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.94	131	78820	20.775	ug/l	96
67) Ethyl Benzene	9.91	91	335806	20.609	ug/l	99
68) m/p-Xylenes	10.14	106	246231	40.117	ug/l	92
69) o-Xylene	10.72	106	144997	21.635	ug/l	91
70) Styrene	10.80	104	194419	20.023	ug/l	98
71) Bromoform	10.78	173	36568	18.662	ug/l	99
73) Isopropylbenzene	11.13	105	400467	21.327	ug/l	96
74) N-amyl acetate	11.38	43	98716	18.505	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.70	83	70233	20.491	ug/l	100
76) 1,2,3-Trichloropropane	11.87	75	32223	19.130	ug/l	99
77) Bromobenzene	11.51	156	83680	20.366	ug/l	86
78) n-propylbenzene	11.61	91	474680	21.606	ug/l	97
79) 2-Chlorotoluene	11.72	91	270689	21.574	ug/l	98
80) 1,3,5-Trimethylbenzene	11.83	105	318012	20.546	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	23154m	17.491	ug/l	
82) 4-Chlorotoluene	11.91	91	259009	19.786	ug/l	94
83) tert-Butylbenzene	12.14	119	340079	21.508	ug/l	98
84) 1,2,4-Trimethylbenzene	12.21	105	317518	20.948	ug/l	97
85) sec-Butylbenzene	12.32	105	463974	21.331	ug/l	100
86) p-Isopropyltoluene	12.46	119	373183	20.834	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	162219	20.115	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	157613	20.605	ug/l	98
89) n-Butylbenzene	12.85	91	389906	19.897	ug/l	95
90) Hexachloroethane	12.93	117	92748	20.361	ug/l	89
91) 1,2-Dichlorobenzene	12.95	146	155967	20.672	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.65	75	11835	19.875	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	113502	22.144	ug/l	95
94) Hexachlorobutadiene	14.20	225	71801	21.618	ug/l	97
95) Naphthalene	14.47	128	190711	18.589	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	99971	20.647	ug/l	95

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

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