

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120618\
 Data File : VF060914.D
 Acq On : 6 Dec 2018 13:45
 Operator : VA/AP
 Sample : VF1206SBSD01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1206SBSD01

Manual Integrations
 APPROVED

apatel
 12/7/2018 12:07:39 PM

Quant Time: Dec 06 17:17:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	183809	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.59	114	308192	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.77	117	286619	50.00	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	12.55	152	155042	50.00	ug/l	-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	128634	59.41	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	118.82%	
35) Dibromofluoromethane	4.10	113	133003	54.40	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	108.80%	
50) Toluene-d8	7.55	98	384273	53.36	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	106.72%	
62) 4-Bromofluorobenzene	11.40	95	169950	51.92	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	103.84%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	60639	22.064	ug/l	90
3) Chloromethane	1.10	50	38384	21.463	ug/l #	88
4) Vinyl Chloride	1.14	62	37390	22.414	ug/l #	86
5) Bromomethane	1.32	94	25786	21.922	ug/l	95
6) Chloroethane	1.40	64	17527	24.306	ug/l	97
7) Trichlorofluoromethane	1.49	101	80302m	22.436	ug/l	
8) Diethyl Ether	1.63	74	12214	23.731	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.84	101	42167	23.304	ug/l	92
10) Methyl Iodide	1.91	142	53417	19.422	ug/l	96
11) Tert butyl alcohol	2.58	59	9783	110.216	ug/l #	92
12) 1,1-Dichloroethene	1.80	96	32585	22.389	ug/l	93
13) Acrolein	2.00	56	8523	101.345	ug/l	96
14) Allyl chloride	2.09	41	34726	19.143	ug/l	93
15) Acrylonitrile	2.94	53	22751	114.328	ug/l	93
16) Acetone	2.24	43	47346	118.573	ug/l	99
17) Carbon Disulfide	1.83	76	90933m	23.302	ug/l	
18) Methyl Acetate	2.34	43	24630m	36.315	ug/l	
19) Methyl tert-butyl Ether	2.43	73	73230	22.340	ug/l	98
20) Methylene Chloride	2.26	84	38157m	26.048	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	32841m	23.406	ug/l	
22) Diisopropyl ether	2.79	45	110399	22.358	ug/l	95
23) Vinyl Acetate	3.19	43	289459	128.243	ug/l	98
24) 1,1-Dichloroethane	2.86	63	67854	23.097	ug/l	98
25) 2-Butanone	4.33	43	83592	121.034	ug/l	97
26) 2,2-Dichloropropane	3.59	77	41063	21.560	ug/l	98
27) cis-1,2-Dichloroethene	3.47	96	50407	22.067	ug/l	96
28) Bromochloromethane	3.71	49	33646	23.864	ug/l	91
29) Tetrahydrofuran	4.07	42	32790	112.005	ug/l	99
30) Chloroform	3.86	83	102774	22.730	ug/l	98
31) Cyclohexane	3.69	56	66956m	21.961	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	57369	18.295	ug/l	97
36) 1,1-Dichloropropene	4.27	75	77302	22.614	ug/l	97
37) Ethyl Acetate	4.11	43	28735	20.686	ug/l #	75
38) Carbon Tetrachloride	3.98	117	61226	20.278	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	64875	18.110	ug/l	95
40) Benzene	4.63	78	164629	21.800	ug/l	98
41) Methacrylonitrile	4.74	41	16671	20.923	ug/l	93
42) 1,2-Dichloroethane	4.93	62	60584	21.974	ug/l	96
43) Isopropyl Acetate	6.95	43	36641	19.732	ug/l #	95
44) Trichloroethene	5.49	130	52059	21.083	ug/l	98
45) 1,2-Dichloropropane	6.23	63	44081	22.475	ug/l #	87
46) Dibromomethane	6.09	93	28507	21.426	ug/l	99
47) Bromodichloromethane	6.38	83	77723	21.994	ug/l	98
48) Methyl methacrylate	6.72	41	25769	20.494	ug/l	95
49) 1,4-Dioxane	6.71	88	4106	446.179	ug/l #	76
51) 4-Methyl-2-Pentanone	8.26	43	138583	108.183	ug/l	99
52) Toluene	7.62	92	105340	19.858	ug/l	94
53) t-1,3-Dichloropropene	8.28	75	62614	21.783	ug/l	97
54) cis-1,3-Dichloropropene	7.30	75	74549	20.950	ug/l	92
55) 1,1,2-Trichloroethane	8.48	97	31130	20.140	ug/l	99
56) Ethyl methacrylate	8.62	69	35363	20.595	ug/l	98
57) 1,3-Dichloropropane	8.85	76	59943	22.166	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.29	63	29532	168.150	ug/l	93
59) 2-Hexanone	9.49	43	98955	110.109	ug/l	99
60) Dibromochloromethane	8.71	129	48011	20.847	ug/l	97
61) 1,2-Dibromoethane	8.99	107	34647	20.750	ug/l	97
64) Tetrachloroethene	8.15	164	45386	20.732	ug/l	95
65) Chlorobenzene	9.80	112	121355	21.764	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.92	131	53172	22.182	ug/l	97
67) Ethyl Benzene	9.89	91	233259	22.471	ug/l	99
68) m/p-Xylenes	10.13	106	165144	44.233	ug/l	99
69) o-Xylene	10.71	106	90465	21.974	ug/l	91
70) Styrene	10.78	104	125377	21.969	ug/l	98
71) Bromoform	10.77	173	23814	20.568	ug/l #	95
73) Isopropylbenzene	11.12	105	272539	22.244	ug/l	98
74) N-amyl acetate	11.36	43	64120	22.663	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.69	83	44854	22.244	ug/l	99
76) 1,2,3-Trichloropropane	11.79	75	31586	21.550	ug/l	100
77) Bromobenzene	11.49	156	56984	21.214	ug/l	91
78) n-propylbenzene	11.59	91	330414	23.028	ug/l	100
79) 2-Chlorotoluene	11.72	91	184908	22.475	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	218947	22.012	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.87	75	15597m	21.719	ug/l	
82) 4-Chlorotoluene	11.90	91	191508	22.119	ug/l	100
83) tert-Butylbenzene	12.12	119	230958	22.795	ug/l	94
84) 1,2,4-Trimethylbenzene	12.20	105	226216	22.788	ug/l	97
85) sec-Butylbenzene	12.30	105	306693	22.112	ug/l	99
86) p-Isopropyltoluene	12.46	119	254407	21.878	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	109716	21.473	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	106718	21.432	ug/l	93
89) n-Butylbenzene	12.84	91	272687	23.191	ug/l	94
90) Hexachloroethane	12.91	117	63334	22.618	ug/l	94
91) 1,2-Dichlorobenzene	12.94	146	103947	21.483	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	7705	19.764	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	77378	22.887	ug/l	99
94) Hexachlorobutadiene	14.18	225	49217	21.838	ug/l	95
95) Naphthalene	14.45	128	134037	18.201	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	68986	21.976	ug/l	96

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

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