

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121718\
 Data File : VF061040.D
 Acq On : 17 Dec 2018 14:45
 Operator : VA/AP
 Sample : VF1217SBSD01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1217SBSD01

Manual Integrations
 APPROVED

apatel
 12/18/2018 2:32:32 PM

Quant Time: Dec 18 03:28:40 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	4.89	168	181724	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.62	114	302774	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.79	117	286434	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	146737	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	115948	54.16	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	108.32%	
35) Dibromofluoromethane	4.13	113	118856	49.48	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	98.96%	
50) Toluene-d8	7.57	98	329999	46.64	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	93.28%	
62) 4-Bromofluorobenzene	11.43	95	154592	48.07	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	96.14%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	51669	19.016	ug/l	94
3) Chloromethane	1.10	50	38075	21.534	ug/l	89
4) Vinyl Chloride	1.14	62	35415	21.474	ug/l	94
5) Bromomethane	1.34	94	26126	22.465	ug/l	100
6) Chloroethane	1.40	64	17083	23.962	ug/l #	86
7) Trichlorofluoromethane	1.50	101	79995m	22.606	ug/l	
8) Diethyl Ether	1.64	74	10990	21.598	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.85	101	42650	23.841	ug/l	95
10) Methyl Iodide	1.92	142	62367m	22.936	ug/l	
11) Tert butyl alcohol	2.59	59	10841	123.537	ug/l	95
12) 1,1-Dichloroethene	1.80	96	31812	22.109	ug/l	96
13) Acrolein	2.01	56	5187	62.385	ug/l	96
14) Allyl chloride	2.11	41	34115	19.022	ug/l	93
15) Acrylonitrile	2.96	53	22072	112.188	ug/l	92
16) Acetone	2.25	43	51305	129.962	ug/l	96
17) Carbon Disulfide	1.84	76	83679m	21.689	ug/l	
18) Methyl Acetate	2.35	43	17218	25.178	ug/l	94
19) Methyl tert-butyl Ether	2.44	73	71883	22.181	ug/l	97
20) Methylene Chloride	2.27	84	33771m	23.319	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	31124m	22.436	ug/l	
22) Diisopropyl ether	2.81	45	111222	22.783	ug/l	95
23) Vinyl Acetate	3.20	43	271099	121.487	ug/l	98
24) 1,1-Dichloroethane	2.89	63	67994	23.410	ug/l	98
25) 2-Butanone	4.36	43	80998	118.624	ug/l	93
26) 2,2-Dichloropropane	3.62	77	40964	21.755	ug/l	96
27) cis-1,2-Dichloroethene	3.50	96	48241	21.361	ug/l	96
28) Bromochloromethane	3.73	49	33097	23.744	ug/l	94
29) Tetrahydrofuran	4.10	42	31959	110.419	ug/l	95
30) Chloroform	3.87	83	101658	22.741	ug/l	96
31) Cyclohexane	3.71	56	67445m	22.375	ug/l	
32) 1,1,1-Trichloroethane	4.11	97	63846	20.594	ug/l	96
36) 1,1-Dichloropropene	4.30	75	75026	22.341	ug/l	92
37) Ethyl Acetate	4.12	43	28196	20.661	ug/l #	81
38) Carbon Tetrachloride	4.00	117	57136	19.262	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	69321	19.697	ug/l	98
40) Benzene	4.65	78	165978	22.372	ug/l	96
41) Methacrylonitrile	4.77	41	15378	19.389	ug/l	93
42) 1,2-Dichloroethane	4.97	62	59727	22.051	ug/l	95
43) Isopropyl Acetate	6.98	43	36892	20.294	ug/l #	91
44) Trichloroethene	5.52	130	55275	22.786	ug/l	94
45) 1,2-Dichloropropane	6.25	63	43333	22.489	ug/l	100
46) Dibromomethane	6.10	93	29770	22.776	ug/l	92
47) Bromodichloromethane	6.40	83	76694	22.091	ug/l	98
48) Methyl methacrylate	6.73	41	25435	20.590	ug/l	94
49) 1,4-Dioxane	6.72	88	3123	345.434	ug/l #	64
51) 4-Methyl-2-Pentanone	8.28	43	139695	111.003	ug/l	100
52) Toluene	7.64	92	113366	21.754	ug/l	99
53) t-1,3-Dichloropropene	8.30	75	64726	22.921	ug/l	97
54) cis-1,3-Dichloropropene	7.32	75	75634	21.635	ug/l	94
55) 1,1,2-Trichloroethane	8.50	97	38744	25.515	ug/l	94
56) Ethyl methacrylate	8.64	69	37243	22.078	ug/l	96
57) 1,3-Dichloropropane	8.87	76	61916	23.306	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.32	63	33588	194.666	ug/l	95
59) 2-Hexanone	9.52	43	106860	121.033	ug/l	98
60) Dibromochloromethane	8.74	129	48849	21.590	ug/l	93
61) 1,2-Dibromoethane	9.00	107	35707	21.767	ug/l	95
64) Tetrachloroethene	8.17	164	45489	20.792	ug/l	97
65) Chlorobenzene	9.82	112	121405	21.787	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.95	131	51533	21.512	ug/l	96
67) Ethyl Benzene	9.92	91	238294	22.971	ug/l	96
68) m/p-Xylenes	10.15	106	163780	43.896	ug/l	97
69) o-Xylene	10.73	106	87047	21.157	ug/l	88
70) Styrene	10.81	104	124601	21.847	ug/l	98
71) Bromoform	10.79	173	23992	20.735	ug/l #	96
73) Isopropylbenzene	11.14	105	278647	24.030	ug/l	98
74) N-amyl acetate	11.39	43	59196	22.107	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.71	83	43310	22.694	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	34504	24.874	ug/l	91
77) Bromobenzene	11.51	156	55773	21.938	ug/l	76
78) n-propylbenzene	11.61	91	310121	22.837	ug/l	99
79) 2-Chlorotoluene	11.73	91	183851	23.612	ug/l	99
80) 1,3,5-Trimethylbenzene	11.83	105	223750	23.768	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.88	75	14931m	21.968	ug/l	
82) 4-Chlorotoluene	11.91	91	190825	23.288	ug/l	95
83) tert-Butylbenzene	12.14	119	228278	23.806	ug/l	95
84) 1,2,4-Trimethylbenzene	12.22	105	222012	23.630	ug/l	97
85) sec-Butylbenzene	12.32	105	301471	22.966	ug/l	98
86) p-Isopropyltoluene	12.47	119	248080	22.541	ug/l	98
87) 1,3-Dichlorobenzene	12.48	146	109666	22.678	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	106077	22.509	ug/l	96
89) n-Butylbenzene	12.86	91	263697	23.696	ug/l	96
90) Hexachloroethane	12.93	117	60435	22.804	ug/l	89
91) 1,2-Dichlorobenzene	12.96	146	103860	22.680	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.66	75	8213	22.259	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	75964	23.740	ug/l	95
94) Hexachlorobutadiene	14.20	225	47841	22.429	ug/l	97
95) Naphthalene	14.47	128	134115	19.458	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	67234	22.630	ug/l	99

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

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