

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122618\
 Data File : VF061182.D
 Acq On : 26 Dec 2018 12:15
 Operator : VA/AP
 Sample : VF1226SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1226SBS01

Manual Integrations
 APPROVED

apatel
 12/27/2018 4:18:52 PM

Quant Time: Dec 27 08:14:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	175527	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	305346	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	277668	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	149297	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.82	65	114779	50.84	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.68%	
35) Dibromofluoromethane	4.09	113	127861	52.27	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.54%	
50) Toluene-d8	7.53	98	352148	50.80	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.60%	
62) 4-Bromofluorobenzene	11.40	95	167357	52.37	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	104.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	76035	19.487	ug/l	95
3) Chloromethane	1.09	50	51394	22.995	ug/l	91
4) Vinyl Chloride	1.14	62	42866	20.675	ug/l	99
5) Bromomethane	1.34	94	30552	21.245	ug/l	94
6) Chloroethane	1.38	64	21574	22.582	ug/l	97
7) Trichlorofluoromethane	1.49	101	88331	22.312	ug/l	95
8) Diethyl Ether	1.62	74	11127	20.525	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.82	101	44164	21.516	ug/l	99
10) Methyl Iodide	1.89	142	68213m	21.082	ug/l	
11) Tert butyl alcohol	2.55	59	9814	107.725	ug/l #	92
12) 1,1-Dichloroethene	1.77	96	33706	21.784	ug/l	97
13) Acrolein	1.99	56	7013m	106.532	ug/l	
14) Allyl chloride	2.09	41	45685	28.373	ug/l	96
15) Acrylonitrile	2.93	53	24081	114.310	ug/l	96
16) Acetone	2.23	43	51316	113.703	ug/l	96
17) Carbon Disulfide	1.83	76	96763	20.694	ug/l	98
18) Methyl Acetate	2.33	43	22290	23.872	ug/l	98
19) Methyl tert-butyl Ether	2.42	73	73718	21.465	ug/l	98
20) Methylene Chloride	2.23	84	52011m	34.688	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	35085	21.201	ug/l	93
22) Diisopropyl ether	2.79	45	115444	21.524	ug/l	95
23) Vinyl Acetate	3.17	43	283205	114.457	ug/l	99
24) 1,1-Dichloroethane	2.86	63	71279	22.430	ug/l	99
25) 2-Butanone	4.32	43	84611	115.597	ug/l	99
26) 2,2-Dichloropropane	3.59	77	45111	24.736	ug/l	96
27) cis-1,2-Dichloroethene	3.46	96	53722	21.205	ug/l	96
28) Bromochloromethane	3.71	49	35275	21.877	ug/l	97
29) Tetrahydrofuran	4.05	42	35860	120.372	ug/l	96
30) Chloroform	3.84	83	107225	22.503	ug/l	99
31) Cyclohexane	3.68	56	72233	21.905	ug/l	94
32) 1,1,1-Trichloroethane	4.07	97	71766	25.128	ug/l	94
36) 1,1-Dichloropropene	4.26	75	71942	19.519	ug/l	99
37) Ethyl Acetate	4.09	43	29472	18.438	ug/l #	79
38) Carbon Tetrachloride	3.97	117	63464	22.610	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	76471	23.127	ug/l	99
40) Benzene	4.61	78	164754	20.786	ug/l	91
41) Methacrylonitrile	4.72	41	16479	21.171	ug/l #	80
42) 1,2-Dichloroethane	4.93	62	61479	20.418	ug/l	98
43) Isopropyl Acetate	6.95	43	37875	21.282	ug/l	96
44) Trichloroethene	5.49	130	54562	21.834	ug/l	91
45) 1,2-Dichloropropane	6.22	63	47426	21.993	ug/l	94
46) Dibromomethane	6.07	93	28109	20.097	ug/l	95
47) Bromodichloromethane	6.37	83	77681	21.376	ug/l	95
48) Methyl methacrylate	6.69	41	24083	19.384	ug/l	96
49) 1,4-Dioxane	6.69	88	3356	372.278	ug/l #	78
51) 4-Methyl-2-Pentanone	8.24	43	133304	109.218	ug/l	95
52) Toluene	7.60	92	110646	21.089	ug/l	99
53) t-1,3-Dichloropropene	8.26	75	58584	19.983	ug/l	100
54) cis-1,3-Dichloropropene	7.29	75	77246	20.994	ug/l	95
55) 1,1,2-Trichloroethane	8.47	97	34645	22.026	ug/l	96
56) Ethyl methacrylate	8.61	69	37602	22.093	ug/l	89
57) 1,3-Dichloropropane	8.83	76	64301	22.603	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.28	63	33274	101.793	ug/l	99
59) 2-Hexanone	9.48	43	99726	112.984	ug/l	100
60) Dibromochloromethane	8.70	129	47604	21.113	ug/l	97
61) 1,2-Dibromoethane	8.96	107	36164	21.528	ug/l	99
64) Tetrachloroethene	8.13	164	45422	21.265	ug/l	96
65) Chlorobenzene	9.78	112	121659	21.209	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.91	131	50489	21.538	ug/l	95
67) Ethyl Benzene	9.88	91	232647	22.262	ug/l	98
68) m/p-Xylenes	10.12	106	172887	47.009	ug/l	94
69) o-Xylene	10.70	106	83324	20.428	ug/l	99
70) Styrene	10.78	104	126452	22.783	ug/l	98
71) Bromoform	10.76	173	23653	21.810	ug/l #	96
73) Isopropylbenzene	11.11	105	268574	20.875	ug/l	99
74) N-amyl acetate	11.36	43	59460	20.816	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	45967	21.527	ug/l	100
76) 1,2,3-Trichloropropane	11.78	75	32754	20.612	ug/l	99
77) Bromobenzene	11.48	156	56292	20.325	ug/l	99
78) n-propylbenzene	11.58	91	336690	20.166	ug/l	97
79) 2-Chlorotoluene	11.70	91	184084	20.857	ug/l	96
80) 1,3,5-Trimethylbenzene	11.81	105	218667	20.641	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.85	75	14679m	21.497	ug/l	
82) 4-Chlorotoluene	11.88	91	184002	20.153	ug/l	97
83) tert-Butylbenzene	12.12	119	226437	20.771	ug/l	99
84) 1,2,4-Trimethylbenzene	12.19	105	224999	21.298	ug/l	96
85) sec-Butylbenzene	12.30	105	305032	21.441	ug/l	99
86) p-Isopropyltoluene	12.44	119	247494	20.959	ug/l	97
87) 1,3-Dichlorobenzene	12.46	146	108581	20.892	ug/l	97
88) 1,4-Dichlorobenzene	12.55	146	106750	20.991	ug/l	97
89) n-Butylbenzene	12.83	91	264463	19.509	ug/l	93
90) Hexachloroethane	12.91	117	61091	20.940	ug/l	90
91) 1,2-Dichlorobenzene	12.93	146	103463	20.896	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.63	75	7721	19.705	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	73147	20.831	ug/l	94
94) Hexachlorobutadiene	14.18	225	45892	20.520	ug/l	97
95) Naphthalene	14.45	128	125988	19.649	ug/l	97
96) 1,2,3-Trichlorobenzene	14.59	180	63814	19.659	ug/l	98

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

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