

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061818\
 Data File : VF059170.D
 Acq On : 18 Jun 2018 12:42
 Operator : VA/AP
 Sample : VF0618SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0618SBS01

Manual Integrations
 APPROVED

apatel
 6/19/2018 3:33:33 PM

Quant Time: Jun 19 03:43:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	285936	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	449068	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	438149	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	266003	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	190632	54.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.94%	
35) Dibromofluoromethane	4.29	113	172157	54.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.28%	
50) Toluene-d8	7.70	98	456699	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
62) 4-Bromofluorobenzene	11.50	95	230182	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	61512	19.007	ug/l	93
3) Chloromethane	1.09	50	43640	17.408	ug/l	92
4) Vinyl Chloride	1.14	62	36451	16.117	ug/l	97
5) Bromomethane	1.34	94	23458	17.801	ug/l	96
6) Chloroethane	1.43	64	17442	18.587	ug/l	99
7) Trichlorofluoromethane	1.49	101	70122m	19.946	ug/l	
8) Diethyl Ether	1.71	74	18646	21.081	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.89	101	35978	16.058	ug/l	95
10) Methyl Iodide	1.96	142	74815m	19.084	ug/l	
11) Tert butyl alcohol	2.68	59	23218	104.494	ug/l #	92
12) 1,1-Dichloroethene	1.85	96	34286	18.198	ug/l	97
13) Acrolein	2.09	56	16593	86.279	ug/l	93
14) Allyl chloride	2.19	41	72694	19.658	ug/l	100
15) Acrylonitrile	3.07	53	47241	107.051	ug/l	96
16) Acetone	2.34	43	104861	126.648	ug/l #	89
17) Carbon Disulfide	1.87	76	86373	16.328	ug/l #	94
18) Methyl Acetate	2.44	43	35432m	24.893	ug/l	
19) Methyl tert-butyl Ether	2.53	73	142655	24.390	ug/l	96
20) Methylene Chloride	2.28	84	45810m	23.107	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	41076	19.879	ug/l	86
22) Diisopropyl ether	2.92	45	155842	21.439	ug/l	95
23) Vinyl Acetate	3.32	43	539353	112.532	ug/l	97
24) 1,1-Dichloroethane	3.00	63	94536	21.451	ug/l	99
25) 2-Butanone	4.51	43	137536	107.145	ug/l	95
26) 2,2-Dichloropropane	3.75	77	70172	21.948	ug/l	99
27) cis-1,2-Dichloroethene	3.63	96	62094	19.526	ug/l	86
28) Bromochloromethane	3.88	49	46662	23.524	ug/l #	90
29) Tetrahydrofuran	4.24	42	64068	113.273	ug/l	96
30) Chloroform	4.03	83	139520	22.131	ug/l	95
31) Cyclohexane	3.85	56	69011	17.926	ug/l	99
32) 1,1,1-Trichloroethane	4.27	97	103315	21.951	ug/l	99
36) 1,1-Dichloropropene	4.46	75	89880	20.649	ug/l	95
37) Ethyl Acetate	4.28	43	61772	22.968	ug/l	97
38) Carbon Tetrachloride	4.15	117	115671	24.520	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	86117	19.409	ug/l	96
40) Benzene	4.80	78	200685	19.863	ug/l	97
41) Methacrylonitrile	4.92	41	30440	23.037	ug/l #	91
42) 1,2-Dichloroethane	5.11	62	105379	23.256	ug/l	100
43) Isopropyl Acetate	7.11	43	75781	21.039	ug/l #	97
44) Trichloroethene	5.67	130	68539	21.711	ug/l	96
45) 1,2-Dichloropropane	6.40	63	58264	20.001	ug/l	96
46) Dibromomethane	6.25	93	46421	21.179	ug/l	96
47) Bromodichloromethane	6.54	83	109243	21.909	ug/l	97
48) Methyl methacrylate	6.87	41	50546	22.764	ug/l	96
49) 1,4-Dioxane	6.86	88	4817	284.783	ug/l #	73
51) 4-Methyl-2-Pentanone	8.40	43	284442	115.216	ug/l	98
52) Toluene	7.77	92	140559	19.315	ug/l	99
53) t-1,3-Dichloropropene	8.42	75	110892	22.964	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	118044	21.280	ug/l	96
55) 1,1,2-Trichloroethane	8.64	97	56884	21.571	ug/l	97
56) Ethyl methacrylate	8.75	69	68519	20.614	ug/l	86
57) 1,3-Dichloropropane	8.99	76	97928	21.709	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.77	63	25251	106.241	ug/l	100
59) 2-Hexanone	9.62	43	216993	111.120	ug/l	92
60) Dibromochloromethane	8.85	129	87259	23.027	ug/l	98
61) 1,2-Dibromoethane	9.13	107	64460	21.037	ug/l	94
64) Tetrachloroethene	8.30	164	68586	21.342	ug/l	97
65) Chlorobenzene	9.94	112	183613	21.163	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	78976	22.883	ug/l	94
67) Ethyl Benzene	10.03	91	317794	21.080	ug/l	98
68) m/p-Xylenes	10.26	106	238169	42.196	ug/l	89
69) o-Xylene	10.82	106	129268	21.191	ug/l	95
70) Styrene	10.89	104	188950	20.472	ug/l	97
71) Bromoform	10.88	173	55084	23.501	ug/l #	94
73) Isopropylbenzene	11.22	105	376035	20.418	ug/l	100
74) N-amyl acetate	11.45	43	137728	20.936	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	85831	19.658	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	65628	20.352	ug/l	99
77) Bromobenzene	11.59	156	95532	20.611	ug/l	79
78) n-propylbenzene	11.68	91	425242	19.508	ug/l	97
79) 2-Chlorotoluene	11.81	91	259989	20.189	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	322186	21.137	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	41208	19.710	ug/l	96
82) 4-Chlorotoluene	11.99	91	280919	20.490	ug/l	99
83) tert-Butylbenzene	12.21	119	319996	21.143	ug/l	94
84) 1,2,4-Trimethylbenzene	12.28	105	329642	20.872	ug/l	92
85) sec-Butylbenzene	12.38	105	417939	20.322	ug/l	100
86) p-Isopropyltoluene	12.53	119	368515	21.817	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	186167	21.755	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	175266	21.254	ug/l	97
89) n-Butylbenzene	12.91	91	352508	18.183	ug/l	94
90) Hexachloroethane	12.99	117	86234	20.731	ug/l	77
91) 1,2-Dichlorobenzene	13.01	146	169549	20.567	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	18073	21.102	ug/l	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	127562	22.123	ug/l	93
94) Hexachlorobutadiene	14.25	225	70846	21.233	ug/l	95
95) Naphthalene	14.52	128	247455	20.092	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	114569	21.502	ug/l	98

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

