

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062718\
 Data File : VF059333.D
 Acq On : 27 Jun 2018 12:34
 Operator : VA/AP
 Sample : VF0627SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0627SBS01

Manual Integrations
 APPROVED

apatel
 6/28/2018 11:09:46 AM

Quant Time: Jun 27 16:37:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	311226	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	479092	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	483838	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	285909	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	179730	44.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.40%	
35) Dibromofluoromethane	4.28	113	156598	44.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.46%	
50) Toluene-d8	7.69	98	338324	39.04	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	78.08%	
62) 4-Bromofluorobenzene	11.50	95	219407	44.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	54023	19.00	ug/l	98
3) Chloromethane	1.08	50	38612	20.21	ug/l	100
4) Vinyl Chloride	1.14	62	37876	20.14	ug/l	97
5) Bromomethane	1.34	94	24980	20.87	ug/l	98
6) Chloroethane	1.43	64	17601	18.58	ug/l	90
7) Trichlorofluoromethane	1.49	101	70108m	18.85	ug/l	
8) Diethyl Ether	1.69	74	20587	21.59	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	1.89	101	44029	20.29	ug/l	97
10) Methyl Iodide	1.96	142	78120m	19.74	ug/l	
11) Tert butyl alcohol	2.67	59	25827	96.48	ug/l	99
12) 1,1-Dichloroethene	1.85	96	38524	21.00	ug/l	96
13) Acrolein	2.08	56	18056	132.36	ug/l	95
14) Allyl chloride	2.18	41	72685	21.10	ug/l	94
15) Acrylonitrile	3.06	53	46399	98.43	ug/l	97
16) Acetone	2.32	43	118137	112.01	ug/l	98
17) Carbon Disulfide	1.86	76	86667	20.08	ug/l	95
18) Methyl Acetate	2.44	43	35187	18.66	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	136815	19.99	ug/l	94
20) Methylene Chloride	2.26	84	57931m	21.47	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	43604	22.28	ug/l	97
22) Diisopropyl ether	2.91	45	160736	21.07	ug/l	94
23) Vinyl Acetate	3.32	43	539853	111.14	ug/l	99
24) 1,1-Dichloroethane	2.99	63	97338	20.58	ug/l	98
25) 2-Butanone	4.49	43	136313	110.53	ug/l #	90
26) 2,2-Dichloropropane	3.74	77	68857	21.11	ug/l	98
27) cis-1,2-Dichloroethene	3.61	96	62920	21.17	ug/l	90
28) Bromochloromethane	3.87	49	49563	25.18	ug/l	88
29) Tetrahydrofuran	4.24	42	58515	108.11	ug/l	95
30) Chloroform	4.02	83	134036	19.58	ug/l	100
31) Cyclohexane	3.84	56	64451	20.80	ug/l	95
32) 1,1,1-Trichloroethane	4.26	97	98607	19.68	ug/l	94
36) 1,1-Dichloropropene	4.44	75	90148	21.54	ug/l	97
37) Ethyl Acetate	4.27	43	58863	21.13	ug/l #	83
38) Carbon Tetrachloride	4.16	117	103257m	19.55	ug/l	

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39) Methylcyclohexane	5.62	83	80670	21.75	ug/l	96
40) Benzene	4.80	78	199205	21.47	ug/l	98
41) Methacrylonitrile	4.91	41	27785	19.46	ug/l	98
42) 1,2-Dichloroethane	5.10	62	108034	19.92	ug/l	99
43) Isopropyl Acetate	7.10	43	69987	20.08	ug/l #	97
44) Trichloroethene	5.66	130	65627	20.62	ug/l	97
45) 1,2-Dichloropropane	6.38	63	55825	21.06	ug/l	90
46) Dibromomethane	6.24	93	44922	19.52	ug/l	97
47) Bromodichloromethane	6.53	83	110218	19.79	ug/l	97
48) Methyl methacrylate	6.86	41	45582	19.51	ug/l #	87
49) 1,4-Dioxane	6.85	88	6253	479.44	ug/l #	77
51) 4-Methyl-2-Pentanone	8.40	43	268778	104.07	ug/l	98
52) Toluene	7.76	92	143173	20.62	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	100366	19.77	ug/l	95
54) cis-1,3-Dichloropropene	7.44	75	108480	19.67	ug/l	97
55) 1,1,2-Trichloroethane	8.62	97	54192	20.10	ug/l	97
56) Ethyl methacrylate	8.75	69	64301	19.25	ug/l	97
57) 1,3-Dichloropropane	8.99	76	96513	20.87	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.76	63	24656	98.44	ug/l	100
59) 2-Hexanone	9.62	43	224690	106.08	ug/l	95
60) Dibromochloromethane	8.85	129	79305	19.05	ug/l	95
61) 1,2-Dibromoethane	9.12	107	62056	18.98	ug/l	99
64) Tetrachloroethene	8.29	164	64656	20.60	ug/l	97
65) Chlorobenzene	9.92	112	182281	20.33	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	72991	18.82	ug/l	98
67) Ethyl Benzene	10.02	91	298483	19.62	ug/l	98
68) m/p-Xylenes	10.26	106	223089	41.21	ug/l	100
69) o-Xylene	10.82	106	122887	20.29	ug/l	87
70) Styrene	10.89	104	182029	19.73	ug/l	97
71) Bromoform	10.88	173	51335	19.31	ug/l	96
73) Isopropylbenzene	11.21	105	361751	21.72	ug/l	97
74) N-amyl acetate	11.45	43	124794	20.65	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.78	83	87510	20.80	ug/l	95
76) 1,2,3-Trichloropropane	11.87	75	63082	19.88	ug/l	93
77) Bromobenzene	11.59	156	94202	20.38	ug/l	84
78) n-propylbenzene	11.68	91	388597	19.43	ug/l	96
79) 2-Chlorotoluene	11.81	91	249835	20.44	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	297414	20.38	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	37796	20.01	ug/l #	67
82) 4-Chlorotoluene	11.98	91	282600	21.59	ug/l	74
83) tert-Butylbenzene	12.21	119	319338	21.88	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	317327	20.65	ug/l	99
85) sec-Butylbenzene	12.38	105	414193	21.41	ug/l	99
86) p-Isopropyltoluene	12.53	119	342830	21.12	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	175369	20.25	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	171686	20.80	ug/l	96
89) n-Butylbenzene	12.91	91	363479	22.06	ug/l	95
90) Hexachloroethane	12.99	117	82829	20.47	ug/l	99
91) 1,2-Dichlorobenzene	13.01	146	173770	20.71	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	15287	16.39	ug/l	94

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93) 1,2,4-Trichlorobenzene	14.26	180	128827	20.77	ug/l	98
94) Hexachlorobutadiene	14.25	225	71801	20.72	ug/l	95
95) Naphthalene	14.52	128	253065	19.50	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	114995	19.57	ug/l	98

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

