

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062018\
 Data File : VF059249.D
 Acq On : 21 Jun 2018 3:56
 Operator : VA/AP
 Sample : VF0620SBS02
 Misc : 5.20g/5mL/MSVOA-F/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0620SBS02

Manual Integrations
 APPROVED

apatel
 6/21/2018 9:46:35 AM

Quant Time: Jun 21 08:01:20 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	217498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	347059	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	354367	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	221782	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	161966	61.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.80%	
35) Dibromofluoromethane	4.29	113	143097	58.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.52%	
50) Toluene-d8	7.71	98	339664	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	
62) 4-Bromofluorobenzene	11.51	95	196732	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	49190	19.98	ug/l	94
3) Chloromethane	1.08	50	28385	14.89	ug/l	91
4) Vinyl Chloride	1.14	62	29782	17.31	ug/l	96
5) Bromomethane	1.34	94	19512	19.47	ug/l	85
6) Chloroethane	1.43	64	14689	20.58	ug/l #	85
7) Trichlorofluoromethane	1.49	101	59402m	22.21	ug/l	
8) Diethyl Ether	1.70	74	14089	20.94	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.90	101	37397	21.94	ug/l	93
10) Methyl Iodide	1.97	142	62898	21.09	ug/l	97
11) Tert butyl alcohol	2.68	59	17456	103.28	ug/l	98
12) 1,1-Dichloroethene	1.85	96	30520	21.30	ug/l	97
13) Acrolein	2.09	56	8848	60.48	ug/l	88
14) Allyl chloride	2.19	41	54489	19.37	ug/l #	80
15) Acrylonitrile	3.07	53	36557	108.91	ug/l	92
16) Acetone	2.33	43	57693	91.61	ug/l	92
17) Carbon Disulfide	1.87	76	65288	16.23	ug/l	100
18) Methyl Acetate	2.45	43	23790	21.97	ug/l	94
19) Methyl tert-butyl Ether	2.54	73	108106	24.30	ug/l	94
20) Methylene Chloride	2.27	84	33713m	22.36	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	34063	21.67	ug/l	93
22) Diisopropyl ether	2.92	45	116964	21.15	ug/l #	90
23) Vinyl Acetate	3.33	43	376534	103.28	ug/l	99
24) 1,1-Dichloroethane	3.00	63	79120	23.60	ug/l	98
25) 2-Butanone	4.51	43	88350	90.48	ug/l	99
26) 2,2-Dichloropropane	3.76	77	48337	19.88	ug/l	94
27) cis-1,2-Dichloroethene	3.63	96	47932	19.82	ug/l	94
28) Bromochloromethane	3.89	49	37689	24.98	ug/l	96
29) Tetrahydrofuran	4.27	42	42151	97.97	ug/l	98
30) Chloroform	4.04	83	111855	23.33	ug/l	99
31) Cyclohexane	3.88	56	50520	17.25	ug/l	91
32) 1,1,1-Trichloroethane	4.28	97	86955	24.29	ug/l	95
36) 1,1-Dichloropropene	4.45	75	64569	19.19	ug/l	95
37) Ethyl Acetate	4.29	43	42231	20.32	ug/l #	63
38) Carbon Tetrachloride	4.17	117	89556	24.56	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	67707	19.75	ug/l	94
40) Benzene	4.81	78	153700	19.68	ug/l	98
41) Methacrylonitrile	4.92	41	20570	20.14	ug/l #	91
42) 1,2-Dichloroethane	5.12	62	90140	25.74	ug/l	98
43) Isopropyl Acetate	7.11	43	49927	17.94	ug/l #	98
44) Trichloroethene	5.67	130	52841	21.66	ug/l	99
45) 1,2-Dichloropropane	6.40	63	43174	19.18	ug/l	96
46) Dibromomethane	6.26	93	37941	22.40	ug/l	94
47) Bromodichloromethane	6.55	83	92597	24.03	ug/l	99
48) Methyl methacrylate	6.88	41	32056	18.68	ug/l #	90
49) 1,4-Dioxane	6.89	88	4296	328.20	ug/l #	78
51) 4-Methyl-2-Pentanone	8.41	43	188204	98.64	ug/l	97
52) Toluene	7.77	92	118626	21.09	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	75640	20.27	ug/l	94
54) cis-1,3-Dichloropropene	7.46	75	87439	20.40	ug/l	96
55) 1,1,2-Trichloroethane	8.64	97	43771	21.48	ug/l	96
56) Ethyl methacrylate	8.76	69	47001	18.30	ug/l	93
57) 1,3-Dichloropropane	9.00	76	75069	21.53	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.77	63	20542	111.83	ug/l	100
59) 2-Hexanone	9.63	43	142992	94.75	ug/l	91
60) Dibromochloromethane	8.87	129	66118	22.58	ug/l	97
61) 1,2-Dibromoethane	9.13	107	52579	22.20	ug/l	97
64) Tetrachloroethene	8.31	164	56729	21.83	ug/l	97
65) Chlorobenzene	9.94	112	143475	20.45	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	65310	23.40	ug/l	96
67) Ethyl Benzene	10.04	91	253275	20.77	ug/l	97
68) m/p-Xylenes	10.27	106	180067	39.45	ug/l	84
69) o-Xylene	10.83	106	102222	20.72	ug/l	86
70) Styrene	10.90	104	156315	20.94	ug/l	98
71) Bromoform	10.89	173	41910	22.11	ug/l #	93
73) Isopropylbenzene	11.22	105	300361	19.56	ug/l	94
74) N-amyl acetate	11.46	43	94724	17.27	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.79	83	69182	19.00	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	51552	19.17	ug/l	99
77) Bromobenzene	11.60	156	75525	19.54	ug/l	84
78) n-propylbenzene	11.69	91	353254	19.44	ug/l	97
79) 2-Chlorotoluene	11.82	91	219243	20.42	ug/l	95
80) 1,3,5-Trimethylbenzene	11.91	105	255903	20.14	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	27512	15.78	ug/l	89
82) 4-Chlorotoluene	11.99	91	233493	20.43	ug/l	100
83) tert-Butylbenzene	12.22	119	260668	20.66	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	274633	20.86	ug/l	93
85) sec-Butylbenzene	12.39	105	342247	19.96	ug/l	96
86) p-Isopropyltoluene	12.54	119	284293	20.19	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	148145	20.76	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	141239	20.54	ug/l	97
89) n-Butylbenzene	12.92	91	293407	18.15	ug/l	93
90) Hexachloroethane	13.00	117	71160	20.52	ug/l	77
91) 1,2-Dichlorobenzene	13.02	146	149822	21.80	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.72	75	13111	18.36	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	102668	21.36	ug/l	94
94) Hexachlorobutadiene	14.26	225	57188	20.56	ug/l	97
95) Naphthalene	14.53	128	201269	19.60	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	90877	20.46	ug/l	96

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

