

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070218\
 Data File : VF059385.D
 Acq On : 2 Jul 2018 14:22
 Operator : VA/AP
 Sample : VF0702SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0702SBS01

Manual Integrations
 APPROVED

apatel
 7/3/2018 10:34:31 AM

Quant Time: Jul 03 01:24:39 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	5.01	168	279197	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.74	114	421035	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	423906	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	253413	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.99	65	164379	45.57	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	91.14%	
35) Dibromofluoromethane	4.26	113	145661	47.35	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	94.70%	
50) Toluene-d8	7.68	98	338275	44.41	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	88.82%	
62) 4-Bromofluorobenzene	11.50	95	197439	45.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	52763	20.68	ug/l	92
3) Chloromethane	1.08	50	30317	17.69	ug/l	98
4) Vinyl Chloride	1.14	62	35119	20.82	ug/l	100
5) Bromomethane	1.32	94	18930	16.55	ug/l	83
6) Chloroethane	1.41	64	14376	16.92	ug/l	96
7) Trichlorofluoromethane	1.47	101	73642m	22.08	ug/l	
8) Diethyl Ether	1.69	74	17406	20.35	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.88	101	38450	19.75	ug/l	98
10) Methyl Iodide	1.94	142	63340	17.84	ug/l	98
11) Tert butyl alcohol	2.66	59	23703	98.70	ug/l	99
12) 1,1-Dichloroethene	1.85	96	35466	21.55	ug/l	85
13) Acrolein	2.07	56	12931	101.44	ug/l	98
14) Allyl chloride	2.17	41	60712	19.65	ug/l	95
15) Acrylonitrile	3.05	53	50421	119.23	ug/l	92
16) Acetone	2.32	43	109771	116.40	ug/l	99
17) Carbon Disulfide	1.86	76	75669m	19.54	ug/l	
18) Methyl Acetate	2.43	43	34430	20.46	ug/l	97
19) Methyl tert-butyl Ether	2.52	73	130799	21.30	ug/l #	89
20) Methylene Chloride	2.30	84	51665m	21.30	ug/l	
21) trans-1,2-Dichloroethene	2.39	96	37605	21.42	ug/l	94
22) Diisopropyl ether	2.90	45	141084	20.62	ug/l	99
23) Vinyl Acetate	3.30	43	479915	110.13	ug/l	99
24) 1,1-Dichloroethane	2.98	63	89100	21.00	ug/l	98
25) 2-Butanone	4.48	43	130526	118.17	ug/l	95
26) 2,2-Dichloropropane	3.73	77	60995	20.85	ug/l	98
27) cis-1,2-Dichloroethene	3.61	96	55458	20.80	ug/l	78
28) Bromochloromethane	3.86	49	42345	23.76	ug/l	97
29) Tetrahydrofuran	4.23	42	56643	117.39	ug/l	96
30) Chloroform	4.00	83	128227	20.88	ug/l	97
31) Cyclohexane	3.84	56	56546	20.35	ug/l	91
32) 1,1,1-Trichloroethane	4.24	97	92215	20.52	ug/l	93
36) 1,1-Dichloropropene	4.43	75	75764	20.60	ug/l	99
37) Ethyl Acetate	4.26	43	59207	24.41	ug/l #	91
38) Carbon Tetrachloride	4.13	117	100487	21.65	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.59	83	71850	22.04	ug/l	94
40) Benzene	4.78	78	157870	19.36	ug/l	99
41) Methacrylonitrile	4.89	41	24474	19.51	ug/l	91
42) 1,2-Dichloroethane	5.09	62	104858	22.00	ug/l	99
43) Isopropyl Acetate	7.09	43	68889	22.49	ug/l	94
44) Trichloroethene	5.64	130	59657	21.32	ug/l	98
45) 1,2-Dichloropropane	6.38	63	49757	21.36	ug/l	92
46) Dibromomethane	6.22	93	40658	20.10	ug/l	92
47) Bromodichloromethane	6.52	83	102535	20.95	ug/l	97
48) Methyl methacrylate	6.85	41	43190	21.03	ug/l	91
49) 1,4-Dioxane	6.84	88	6295	555.68	ug/l #	88
51) 4-Methyl-2-Pentanone	8.38	43	258915	114.07	ug/l	98
52) Toluene	7.76	92	123201	20.19	ug/l	98
53) t-1,3-Dichloropropene	8.40	75	98147	22.00	ug/l	99
54) cis-1,3-Dichloropropene	7.43	75	100952	20.83	ug/l	97
55) 1,1,2-Trichloroethane	8.62	97	50953	21.51	ug/l	93
56) Ethyl methacrylate	8.74	69	61749	21.04	ug/l	98
57) 1,3-Dichloropropane	8.98	76	82242	20.24	ug/l	90
58) 2-Chloroethyl Vinyl ether	7.75	63	22867	103.88	ug/l	100
59) 2-Hexanone	9.60	43	206387	111.69	ug/l	95
60) Dibromochloromethane	8.83	129	79347	21.69	ug/l	93
61) 1,2-Dibromoethane	9.11	107	59055	20.55	ug/l	99
64) Tetrachloroethene	8.28	164	60359	21.95	ug/l	98
65) Chlorobenzene	9.92	112	168008	21.39	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.05	131	74121	21.82	ug/l	91
67) Ethyl Benzene	10.02	91	278880	20.93	ug/l	95
68) m/p-Xylenes	10.24	106	207661	43.78	ug/l	95
69) o-Xylene	10.81	106	114388	21.56	ug/l	99
70) Styrene	10.89	104	167026	20.67	ug/l	97
71) Bromoform	10.88	173	48781	20.95	ug/l	96
73) Isopropylbenzene	11.21	105	335014	22.69	ug/l	98
74) N-amyl acetate	11.45	43	122621	22.89	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	80941	21.71	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	63614	22.62	ug/l	93
77) Bromobenzene	11.57	156	92712	22.64	ug/l	97
78) n-propylbenzene	11.67	91	399828	22.55	ug/l	98
79) 2-Chlorotoluene	11.80	91	242914	22.43	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	299657	23.17	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.94	75	38069	22.74	ug/l	96
82) 4-Chlorotoluene	11.98	91	256320	22.09	ug/l	96
83) tert-Butylbenzene	12.21	119	302102	23.36	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	302747	22.23	ug/l	97
85) sec-Butylbenzene	12.37	105	392044	22.87	ug/l	98
86) p-Isopropyltoluene	12.52	119	340763	23.68	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	170688	22.73	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	161355	22.06	ug/l	98
89) n-Butylbenzene	12.91	91	340902	23.34	ug/l	95
90) Hexachloroethane	12.98	117	80434	22.43	ug/l	100
91) 1,2-Dichlorobenzene	13.00	146	163866	22.04	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	16540	20.01	ug/l	93

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93) 1,2,4-Trichlorobenzene	14.26	180	128032	23.29	ug/l	97
94) Hexachlorobutadiene	14.25	225	72537	23.62	ug/l	99
95) Naphthalene	14.52	128	252594	21.96	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	116977	22.46	ug/l	95

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

