

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071818\
 Data File : VF059521.D
 Acq On : 18 Jul 2018 19:26
 Operator : VA/AP
 Sample : VF0718SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0718SBS01

Manual Integrations
 APPROVED

apatel
 7/19/2018 10:18:22 AM

Quant Time: Jul 19 05:14:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	276275	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.74	114	394927	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.90	117	382727	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	237312	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	206420	48.04	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	96.08%	
35) Dibromofluoromethane	4.28	113	165078	48.26	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	96.52%	
50) Toluene-d8	7.70	98	394972	45.84	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	91.68%	
62) 4-Bromofluorobenzene	11.50	95	218768	48.40	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	96.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	64515	19.06	ug/l	95
3) Chloromethane	1.08	50	32955	17.69	ug/l	91
4) Vinyl Chloride	1.15	62	36567	19.46	ug/l	97
5) Bromomethane	1.34	94	32072	24.63	ug/l	95
6) Chloroethane	1.42	64	20506	21.64	ug/l #	84
7) Trichlorofluoromethane	1.48	101	85364m	18.56	ug/l	
8) Diethyl Ether	1.69	74	16962	19.17	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.89	101	46237	23.80	ug/l	97
10) Methyl Iodide	1.95	142	87594	25.76	ug/l	98
11) Tert butyl alcohol	2.68	59	21496	110.96	ug/l	95
12) 1,1-Dichloroethene	1.85	96	39088	18.92	ug/l	90
13) Acrolein	2.09	56	9115	84.43	ug/l	85
14) Allyl chloride	2.18	41	66232	25.69	ug/l	94
15) Acrylonitrile	3.06	53	39312	109.05	ug/l	90
16) Acetone	2.33	43	79473	108.20	ug/l	99
17) Carbon Disulfide	1.87	76	107953	20.40	ug/l	99
18) Methyl Acetate	2.44	43	28584	19.96	ug/l #	87
19) Methyl tert-butyl Ether	2.53	73	124109	19.15	ug/l	96
20) Methylene Chloride	2.30	84	43948	19.91	ug/l #	70
21) trans-1,2-Dichloroethene	2.40	96	41302	21.63	ug/l	92
22) Diisopropyl ether	2.91	45	142608	19.68	ug/l	98
23) Vinyl Acetate	3.32	43	435666	102.91	ug/l	98
24) 1,1-Dichloroethane	2.99	63	95778	21.41	ug/l	100
25) 2-Butanone	4.50	43	101256	101.50	ug/l	96
26) 2,2-Dichloropropane	3.74	77	67549	22.82	ug/l	97
27) cis-1,2-Dichloroethene	3.61	96	53534	24.09	ug/l	80
28) Bromochloromethane	3.87	49	37291	18.94	ug/l #	100
29) Tetrahydrofuran	4.25	42	44793	97.27	ug/l	99
30) Chloroform	4.02	83	136627	21.14	ug/l	99
31) Cyclohexane	3.84	56	59203	25.55	ug/l	90
32) 1,1,1-Trichloroethane	4.26	97	109020	25.96	ug/l	97
36) 1,1-Dichloropropene	4.44	75	81830	20.70	ug/l	94
37) Ethyl Acetate	4.28	43	46970	18.44	ug/l #	43
38) Carbon Tetrachloride	4.16	117	118673	26.20	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	73296	24.43	ug/l	94
40) Benzene	4.79	78	169720	22.13	ug/l	94
41) Methacrylonitrile	4.91	41	21334	18.82	ug/l #	76
42) 1,2-Dichloroethane	5.10	62	111647	22.16	ug/l	94
43) Isopropyl Acetate	7.09	43	53771	18.93	ug/l #	96
44) Trichloroethene	5.66	130	61671	21.73	ug/l	93
45) 1,2-Dichloropropane	6.38	63	45481	21.37	ug/l	97
46) Dibromomethane	6.24	93	42654	22.00	ug/l	98
47) Bromodichloromethane	6.53	83	108266	21.70	ug/l	98
48) Methyl methacrylate	6.86	41	38313	18.89	ug/l	97
49) 1,4-Dioxane	6.85	88	4263	426.27	ug/l #	89
51) 4-Methyl-2-Pentanone	8.40	43	208167	103.39	ug/l	99
52) Toluene	7.76	92	115788	20.82	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	96603	21.05	ug/l	95
54) cis-1,3-Dichloropropene	7.44	75	99013	21.67	ug/l	94
55) 1,1,2-Trichloroethane	8.62	97	44687	20.74	ug/l	95
56) Ethyl methacrylate	8.75	69	50643	18.95	ug/l	96
57) 1,3-Dichloropropane	8.99	76	78951	20.72	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.76	63	24356	103.23	ug/l	100
59) 2-Hexanone	9.62	43	161734	106.28	ug/l	93
60) Dibromochloromethane	8.85	129	75268	20.72	ug/l	86
61) 1,2-Dibromoethane	9.12	107	58004	21.69	ug/l	98
64) Tetrachloroethene	8.29	164	62111	21.79	ug/l	96
65) Chlorobenzene	9.93	112	153912	21.44	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.05	131	69763	21.34	ug/l	98
67) Ethyl Benzene	10.02	91	277956	21.76	ug/l	96
68) m/p-Xylenes	10.26	106	198651	44.05	ug/l	97
69) o-Xylene	10.82	106	104128	21.69	ug/l	96
70) Styrene	10.89	104	163172	22.11	ug/l	94
71) Bromoform	10.88	173	49222	21.67	ug/l	95
73) Isopropylbenzene	11.21	105	324884	21.70	ug/l	100
74) N-amyl acetate	11.45	43	91748	19.13	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	67807	20.76	ug/l	93
76) 1,2,3-Trichloropropane	11.88	75	55105	20.66	ug/l	90
77) Bromobenzene	11.59	156	85682	20.41	ug/l	95
78) n-propylbenzene	11.68	91	382828	22.29	ug/l	99
79) 2-Chlorotoluene	11.81	91	230463	21.78	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	283966	22.63	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.94	75	22329m	18.33	ug/l	
82) 4-Chlorotoluene	11.98	91	246960	20.83	ug/l	90
83) tert-Butylbenzene	12.21	119	273620	22.72	ug/l	92
84) 1,2,4-Trimethylbenzene	12.28	105	285436	22.11	ug/l	98
85) sec-Butylbenzene	12.38	105	345533	22.56	ug/l	98
86) p-Isopropyltoluene	12.54	119	305520	22.93	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	158914	22.07	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	150892	21.27	ug/l	95
89) n-Butylbenzene	12.91	91	288542	23.14	ug/l	95
90) Hexachloroethane	12.99	117	67189	22.20	ug/l	92
91) 1,2-Dichlorobenzene	13.01	146	145706	21.16	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	13306	17.98	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	93426	22.33	ug/l	99
94) Hexachlorobutadiene	14.25	225	50223	23.43	ug/l	96
95) Naphthalene	14.52	128	178255	20.50	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	80083	21.18	ug/l	94

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

