

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071018\
 Data File : VF059481.D
 Acq On : 10 Jul 2018 13:47
 Operator : VA/AP
 Sample : VF0710SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0710SBS01

Manual Integrations
 APPROVED

apatel
 7/11/2018 11:33:33 AM

Quant Time: Jul 10 15:55:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 06:35:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	270361	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.74	114	407376	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	392496	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	254821	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	231306	49.19	ug/l	0.01
Spiked Amount	50.000		Recovery	=	98.38%	
35) Dibromofluoromethane	4.27	113	185821	47.54	ug/l	0.01
Spiked Amount	50.000		Recovery	=	95.08%	
50) Toluene-d8	7.69	98	477774	51.96	ug/l	0.01
Spiked Amount	50.000		Recovery	=	103.92%	
62) 4-Bromofluorobenzene	11.49	95	242592	47.29	ug/l	0.01
Spiked Amount	50.000		Recovery	=	94.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	69314	18.20	ug/l	97
3) Chloromethane	1.08	50	38224	20.35	ug/l	92
4) Vinyl Chloride	1.13	62	40554	20.67	ug/l	96
5) Bromomethane	1.33	94	28738	19.09	ug/l	97
6) Chloroethane	1.42	64	20720	20.03	ug/l	96
7) Trichlorofluoromethane	1.47	101	85491m	20.53	ug/l	
8) Diethyl Ether	1.70	74	19196	21.98	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.88	101	40837	18.10	ug/l	92
10) Methyl Iodide	1.95	142	77200	18.37	ug/l	93
11) Tert butyl alcohol	2.68	59	22646	105.71	ug/l #	89
12) 1,1-Dichloroethene	1.84	96	41972	20.54	ug/l	88
13) Acrolein	2.08	56	20510	123.56	ug/l	84
14) Allyl chloride	2.17	41	73184	20.63	ug/l	90
15) Acrylonitrile	3.06	53	42842	109.53	ug/l	94
16) Acetone	2.33	43	102106	145.17	ug/l	98
17) Carbon Disulfide	1.85	76	115354	21.46	ug/l #	94
18) Methyl Acetate	2.44	43	37789	23.14	ug/l	98
19) Methyl tert-butyl Ether	2.52	73	140978	21.18	ug/l	98
20) Methylene Chloride	2.31	84	51194m	23.24	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	45845	21.08	ug/l	97
22) Diisopropyl ether	2.91	45	158443	21.56	ug/l #	96
23) Vinyl Acetate	3.31	43	540820	126.74	ug/l	99
24) 1,1-Dichloroethane	2.98	63	100448	20.44	ug/l	98
25) 2-Butanone	4.49	43	128610	134.20	ug/l	97
26) 2,2-Dichloropropane	3.74	77	68502	24.18	ug/l	97
27) cis-1,2-Dichloroethene	3.61	96	58805	22.00	ug/l	86
28) Bromochloromethane	3.86	49	47264	23.17	ug/l	82
29) Tetrahydrofuran	4.23	42	59872	133.27	ug/l	98
30) Chloroform	4.01	83	145372	20.90	ug/l	100
31) Cyclohexane	3.84	56	64488	22.63	ug/l	93
32) 1,1,1-Trichloroethane	4.25	97	102991	19.26	ug/l	90
36) 1,1-Dichloropropene	4.43	75	88679	20.61	ug/l	97
37) Ethyl Acetate	4.27	43	61010	24.16	ug/l #	95
38) Carbon Tetrachloride	4.14	117	129412	21.05	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	79956	22.12	ug/l	93
40) Benzene	4.78	78	181633	21.54	ug/l	99
41) Methacrylonitrile	4.90	41	26512	22.86	ug/l #	90
42) 1,2-Dichloroethane	5.09	62	119865	19.62	ug/l	97
43) Isopropyl Acetate	7.09	43	69529	24.05	ug/l #	96
44) Trichloroethene	5.65	130	67045	21.56	ug/l	98
45) 1,2-Dichloropropane	6.38	63	49652	20.51	ug/l	91
46) Dibromomethane	6.23	93	46020	20.74	ug/l #	87
47) Bromodichloromethane	6.53	83	114422	20.26	ug/l	95
48) Methyl methacrylate	6.85	41	46957	22.77	ug/l #	89
49) 1,4-Dioxane	6.84	88	4688	500.77	ug/l #	87
51) 4-Methyl-2-Pentanone	8.38	43	253955	117.91	ug/l	99
52) Toluene	7.76	92	131725	20.92	ug/l	98
53) t-1,3-Dichloropropene	8.41	75	100582	20.57	ug/l	97
54) cis-1,3-Dichloropropene	7.43	75	109043	22.34	ug/l	97
55) 1,1,2-Trichloroethane	8.62	97	51323	20.89	ug/l	96
56) Ethyl methacrylate	8.74	69	62992	22.66	ug/l	97
57) 1,3-Dichloropropane	8.98	76	87826	20.93	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.76	63	25491	95.77	ug/l	100
59) 2-Hexanone	9.61	43	209822	131.07	ug/l	100
60) Dibromochloromethane	8.84	129	84057	20.53	ug/l	95
61) 1,2-Dibromoethane	9.11	107	63171	20.93	ug/l	99
64) Tetrachloroethene	8.28	164	64646	19.66	ug/l	97
65) Chlorobenzene	9.92	112	166213	21.73	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.05	131	76213	21.63	ug/l	98
67) Ethyl Benzene	10.02	91	295470	22.22	ug/l	100
68) m/p-Xylenes	10.24	106	223019	47.59	ug/l	96
69) o-Xylene	10.81	106	117049	23.20	ug/l	90
70) Styrene	10.88	104	179274	22.80	ug/l	94
71) Bromoform	10.87	173	52484	21.62	ug/l #	99
73) Isopropylbenzene	11.22	105	430596	27.80	ug/l	98
74) N-amyl acetate	11.45	43	122954	26.00	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.77	83	78363	22.26	ug/l	91
76) 1,2,3-Trichloropropane	11.87	75	63113	22.02	ug/l	97
77) Bromobenzene	11.58	156	93358	21.78	ug/l	91
78) n-propylbenzene	11.67	91	411088	22.10	ug/l	98
79) 2-Chlorotoluene	11.80	91	246674	21.43	ug/l	93
80) 1,3,5-Trimethylbenzene	11.90	105	296459	21.60	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.94	75	35706	24.01	ug/l	95
82) 4-Chlorotoluene	11.98	91	267858	21.96	ug/l	94
83) tert-Butylbenzene	12.20	119	304285	22.79	ug/l	91
84) 1,2,4-Trimethylbenzene	12.27	105	317358	21.99	ug/l	98
85) sec-Butylbenzene	12.37	105	389287	21.61	ug/l	99
86) p-Isopropyltoluene	12.53	119	351751	22.83	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	169701	20.90	ug/l	95
88) 1,4-Dichlorobenzene	12.64	146	171327	21.67	ug/l	97
89) n-Butylbenzene	12.90	91	344463	22.95	ug/l	95
90) Hexachloroethane	12.98	117	82967	20.72	ug/l	86
91) 1,2-Dichlorobenzene	13.01	146	172864	21.47	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.70	75	17497	19.85	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	137073	22.92	ug/l	94
94) Hexachlorobutadiene	14.24	225	80641	22.25	ug/l	97
95) Naphthalene	14.51	128	272131	22.90	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	128037	22.07	ug/l	98

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

