

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081018\
 Data File : VF059939.D
 Acq On : 10 Aug 2018 12:42
 Operator : VA/AP
 Sample : VF0810SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0810SBS01

Manual Integrations
 APPROVED

apatel
 8/13/2018 12:33:48 PM

Quant Time: Aug 11 01:18:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 07:08:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	110585	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	159721	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	158046	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	105202	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	99226	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
35) Dibromofluoromethane	4.30	113	80913	50.92	ug/l	0.01
Spiked Amount	50.000		Recovery	=	101.84%	
50) Toluene-d8	7.72	98	184424	54.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.08%	
62) 4-Bromofluorobenzene	11.52	95	105559	55.56	ug/l	0.01
Spiked Amount	50.000		Recovery	=	111.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	39660	20.99	ug/l	95
3) Chloromethane	1.08	50	19417	22.22	ug/l	90
4) Vinyl Chloride	1.15	62	18255	20.39	ug/l #	86
5) Bromomethane	1.34	94	17500	20.71	ug/l	85
6) Chloroethane	1.43	64	12126	21.56	ug/l	96
7) Trichlorofluoromethane	1.53	101	52930	21.60	ug/l	93
8) Diethyl Ether	1.70	74	7504	19.30	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.90	101	28467	21.05	ug/l	88
10) Methyl Iodide	1.98	142	45615	21.96	ug/l #	92
11) Tert butyl alcohol	2.68	59	8349	103.82	ug/l	95
12) 1,1-Dichloroethene	1.86	96	21688	21.96	ug/l #	78
13) Acrolein	2.09	56	4082	84.70	ug/l	87
14) Allyl chloride	2.19	41	29705	18.04	ug/l	96
15) Acrylonitrile	3.07	53	13733	93.19	ug/l #	87
16) Acetone	2.34	43	49962	135.75	ug/l	99
17) Carbon Disulfide	1.89	76	55700	21.12	ug/l	95
18) Methyl Acetate	2.45	43	12500m	20.13	ug/l	
19) Methyl tert-butyl Ether	2.54	73	58490	20.91	ug/l	98
20) Methylene Chloride	2.27	84	21309m	19.62	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	20132	20.52	ug/l	94
22) Diisopropyl ether	2.92	45	66006	20.83	ug/l	98
23) Vinyl Acetate	3.34	43	175962	114.73	ug/l	98
24) 1,1-Dichloroethane	3.00	63	47584	20.62	ug/l	98
25) 2-Butanone	4.51	43	48524	121.25	ug/l	97
26) 1,2-Dichloropropane	3.77	77	31066	23.13	ug/l	99
27) cis-1,2-Dichloroethene	3.63	96	22958	20.81	ug/l	89
28) Bromochloromethane	3.89	49	17481	21.46	ug/l #	80
29) Tetrahydrofuran	4.26	42	16535	112.23	ug/l	93
30) Chloroform	4.04	83	63159	20.23	ug/l	96
31) Cyclohexane	3.87	56	24957	21.85	ug/l	97
32) 1,1,1-Trichloroethane	4.28	97	54582	21.86	ug/l #	91
36) 1,1-Dichloropropene	4.47	75	41610	22.52	ug/l	97
37) Ethyl Acetate	4.29	43	17183	21.66	ug/l #	75
38) Carbon Tetrachloride	4.18	117	58343m	22.06	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	30415	21.95	ug/l	97
40) Benzene	4.82	78	66000	18.92	ug/l	98
41) Methacrylonitrile	4.93	41	8636	20.63	ug/l #	92
42) 1,2-Dichloroethane	5.12	62	51798	20.25	ug/l	100
43) Isopropyl Acetate	7.12	43	18042	22.09	ug/l #	96
44) Trichloroethene	5.67	130	27363	22.24	ug/l	91
45) 1,2-Dichloropropane	6.40	63	17912	21.13	ug/l	99
46) Dibromomethane	6.27	93	16653	19.47	ug/l	90
47) Bromodichloromethane	6.55	83	50441	21.56	ug/l	95
48) Methyl methacrylate	6.88	41	13662	21.50	ug/l	97
49) 1,4-Dioxane	6.87	88	1949	473.02	ug/l	94
51) 4-Methyl-2-Pentanone	8.41	43	89572	107.26	ug/l	99
52) Toluene	7.78	92	53832	23.07	ug/l	86
53) t-1,3-Dichloropropene	8.43	75	42470	23.86	ug/l	95
54) cis-1,3-Dichloropropene	7.47	75	42016	22.87	ug/l #	89
55) 1,1,2-Trichloroethane	8.65	97	17226	20.51	ug/l	94
56) Ethyl methacrylate	8.77	69	17377	20.96	ug/l	96
57) 1,3-Dichloropropane	9.01	76	31483	21.83	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.79	63	12649	113.83	ug/l	100
59) 2-Hexanone	9.64	43	68954	116.88	ug/l	95
60) Dibromochloromethane	8.87	129	33202	21.07	ug/l	94
61) 1,2-Dibromoethane	9.14	107	22110	21.60	ug/l	94
64) Tetrachloroethene	8.32	164	26244	19.25	ug/l	94
65) Chlorobenzene	9.95	112	72666	22.65	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.08	131	33612	21.06	ug/l	91
67) Ethyl Benzene	10.05	91	131129	23.46	ug/l	97
68) m/p-Xylenes	10.28	106	88073	45.59	ug/l	97
69) o-Xylene	10.84	106	43707	21.36	ug/l	99
70) Styrene	10.91	104	69462	22.74	ug/l	99
71) Bromoform	10.90	173	21079	21.55	ug/l	96
73) Isopropylbenzene	11.23	105	154805	23.63	ug/l	98
74) N-amyl acetate	11.47	43	33435	22.36	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.80	83	24872	20.22	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	21734	20.57	ug/l	96
77) Bromobenzene	11.60	156	38864	21.81	ug/l	93
78) n-propylbenzene	11.70	91	180427	23.32	ug/l	99
79) 2-Chlorotoluene	11.82	91	109122	22.29	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	138161	22.71	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.96	75	9363m	24.67	ug/l	
82) 4-Chlorotoluene	11.99	91	123257	23.19	ug/l	96
83) tert-Butylbenzene	12.22	119	136122	22.98	ug/l	95
84) 1,2,4-Trimethylbenzene	12.29	105	142349	22.75	ug/l	99
85) sec-Butylbenzene	12.40	105	177339	22.53	ug/l	96
86) p-Isopropyltoluene	12.55	119	157683	23.84	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	75244	22.29	ug/l	95
88) 1,4-Dichlorobenzene	12.65	146	74163	22.37	ug/l	94
89) n-Butylbenzene	12.92	91	152188	24.14	ug/l	95
90) Hexachloroethane	13.00	117	39167	21.46	ug/l	87
91) 1,2-Dichlorobenzene	13.03	146	74415	22.90	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.72	75	6506	20.98	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	55515	22.50	ug/l	95
94) Hexachlorobutadiene	14.26	225	39726	22.80	ug/l	98
95) Naphthalene	14.53	128	93769	21.95	ug/l	97
96) 1,2,3-Trichlorobenzene	14.67	180	53264	21.86	ug/l	97

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

