

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080818\
 Data File : VF059927.D
 Acq On : 8 Aug 2018 13:19
 Operator : VA/AP
 Sample : VF0808SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0808SBS01

Manual Integrations
 APPROVED

apatel
 8/9/2018 10:46:55 AM

Quant Time: Aug 09 05:45:31 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	5.05	168	97513	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	138127	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	139206	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	95290	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	100543	57.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.38%	
35) Dibromofluoromethane	4.30	113	78169	56.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.76%	
50) Toluene-d8	7.72	98	160910	55.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.06%	
62) 4-Bromofluorobenzene	11.51	95	96237	58.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	32263	19.36	ug/l	94
3) Chloromethane	1.09	50	15103	19.60	ug/l	98
4) Vinyl Chloride	1.16	62	15135	19.17	ug/l	88
5) Bromomethane	1.34	94	14869	19.95	ug/l	98
6) Chloroethane	1.43	64	11621	23.43	ug/l	100
7) Trichlorofluoromethane	1.53	101	43651	20.20	ug/l	95
8) Diethyl Ether	1.71	74	8045	23.46	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.90	101	24352	20.42	ug/l	97
10) Methyl Iodide	1.97	142	38389	20.96	ug/l	98
11) Tert butyl alcohol	2.69	59	10145	143.07	ug/l	95
12) 1,1-Dichloroethene	1.86	96	17478	20.07	ug/l	99
13) Acrolein	2.09	56	3673	86.43	ug/l	90
14) Allyl chloride	2.19	41	19495	13.42	ug/l #	78
15) Acrylonitrile	3.08	53	14320	110.20	ug/l #	91
16) Acetone	2.34	43	38245	117.84	ug/l	99
17) Carbon Disulfide	1.88	76	45610	19.61	ug/l	98
18) Methyl Acetate	2.45	43	12948	23.65	ug/l #	87
19) Methyl tert-butyl Ether	2.54	73	59938	24.30	ug/l	96
20) Methylene Chloride	2.32	84	24342m	27.44	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	17559	20.29	ug/l	90
22) Diisopropyl ether	2.93	45	61042	21.85	ug/l	97
23) Vinyl Acetate	3.33	43	157320	116.32	ug/l	98
24) 1,1-Dichloroethane	3.01	63	41674	20.48	ug/l	98
25) 2-Butanone	4.52	43	45753	129.65	ug/l	96
26) 2,2-Dichloropropane	3.77	77	19682	16.62	ug/l	95
27) cis-1,2-Dichloroethene	3.64	96	20497	21.07	ug/l	90
28) Bromochloromethane	3.90	49	15610	21.73	ug/l	96
29) Tetrahydrofuran	4.26	42	17842	137.34	ug/l	94
30) Chloroform	4.04	83	55797	20.27	ug/l	91
31) Cyclohexane	3.88	56	20622	20.48	ug/l	91
32) 1,1,1-Trichloroethane	4.27	97	45449	20.64	ug/l	91
36) 1,1-Dichloropropene	4.46	75	31733	19.86	ug/l	92
37) Ethyl Acetate	4.30	43	20765	30.27	ug/l #	47
38) Carbon Tetrachloride	4.18	117	53653	23.46	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	23154	19.32	ug/l	95
40) Benzene	4.81	78	59362	19.81	ug/l	98
41) Methacrylonitrile	4.93	41	9197	25.40	ug/l	97
42) 1,2-Dichloroethane	5.13	62	47458	21.45	ug/l	100
43) Isopropyl Acetate	7.12	43	17824	25.23	ug/l #	94
44) Trichloroethene	5.68	130	21317	20.03	ug/l	90
45) 1,2-Dichloropropane	6.41	63	15625	21.31	ug/l	97
46) Dibromomethane	6.26	93	15740	21.28	ug/l	92
47) Bromodichloromethane	6.56	83	45428	22.45	ug/l #	93
48) Methyl methacrylate	6.88	41	14054	25.57	ug/l #	92
49) 1,4-Dioxane	6.88	88	2123	574.92	ug/l #	79
51) 4-Methyl-2-Pentanone	8.41	43	99018	137.10	ug/l	97
52) Toluene	7.79	92	42385	21.00	ug/l	93
53) t-1,3-Dichloropropene	8.43	75	34550	22.45	ug/l	93
54) cis-1,3-Dichloropropene	7.46	75	34909	21.98	ug/l	96
55) 1,1,2-Trichloroethane	8.65	97	16528	22.75	ug/l	93
56) Ethyl methacrylate	8.77	69	17517	23.87	ug/l	85
57) 1,3-Dichloropropane	9.01	76	28119	22.54	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	10080	104.89	ug/l	100
59) 2-Hexanone	9.64	43	69879	136.97	ug/l	97
60) Dibromochloromethane	8.87	129	30797	22.60	ug/l	97
61) 1,2-Dibromoethane	9.14	107	29825	33.70	ug/l	100
64) Tetrachloroethene	8.31	164	26716	22.25	ug/l	86
65) Chlorobenzene	9.95	112	57190	20.24	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.09	131	28878	20.55	ug/l	99
67) Ethyl Benzene	10.05	91	106210	21.58	ug/l	100
68) m/p-Xylenes	10.27	106	72435	42.57	ug/l	98
69) o-Xylene	10.83	106	37648	20.89	ug/l	97
70) Styrene	10.91	104	61566	22.89	ug/l	99
71) Bromoform	10.89	173	20289	23.55	ug/l	91
73) Isopropylbenzene	11.24	105	131370	22.13	ug/l	97
74) N-amyl acetate	11.47	43	28314	21.10	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	24738	22.20	ug/l	96
76) 1,2,3-Trichloropropane	11.89	75	22512	23.52	ug/l	100
77) Bromobenzene	11.60	156	33828	20.96	ug/l	97
78) n-propylbenzene	11.69	91	144469	20.61	ug/l	100
79) 2-Chlorotoluene	11.82	91	94406	21.29	ug/l	100
80) 1,3,5-Trimethylbenzene	11.92	105	119133	21.62	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.97	75	7062m	20.54	ug/l	
82) 4-Chlorotoluene	12.00	91	102122	21.21	ug/l	96
83) tert-Butylbenzene	12.22	119	113118	21.09	ug/l	94
84) 1,2,4-Trimethylbenzene	12.29	105	121749	21.48	ug/l	100
85) sec-Butylbenzene	12.39	105	150582	21.12	ug/l	99
86) p-Isopropyltoluene	12.55	119	126226	21.07	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	67221	21.98	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	63656	21.20	ug/l	95
89) n-Butylbenzene	12.92	91	126877	22.22	ug/l	97
90) Hexachloroethane	13.00	117	34538	20.89	ug/l	98
91) 1,2-Dichlorobenzene	13.02	146	67224	22.84	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.74	75	523	1.86	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	53574	23.98	ug/l	99
94) Hexachlorobutadiene	14.27	225	34496	21.85	ug/l	95
95) Naphthalene	14.53	128	95497	24.69	ug/l	99
96) 1,2,3-Trichlorobenzene	14.68	180	54670	24.78	ug/l	96

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

