

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF103018\
 Data File : VF060543.D
 Acq On : 30 Oct 2018 13:57
 Operator : VA/AP
 Sample : VF1030SBS01
 Misc : 5.00/5mL/MSVOA_F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

Manual Integrations
 APPROVED

apatel
 10/31/2018 10:25:01 AM

Quant Time: Oct 31 05:11:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 30 05:31:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	240759	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	375710	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.91	117	335836	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.64	152	192014	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	207928	55.99	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	111.98%	
35) Dibromofluoromethane	4.29	113	198301	55.00	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	110.00%	
50) Toluene-d8	7.71	98	471648	53.57	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.14%	
62) 4-Bromofluorobenzene	11.51	95	209853	51.73	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	124540	28.50	ug/l	99
3) Chloromethane	1.13	50	66379	25.24	ug/l	93
4) Vinyl Chloride	1.18	62	71348	24.72	ug/l #	83
5) Bromomethane	1.36	94	63222	27.87	ug/l	97
6) Chloroethane	1.42	64	42457	28.25	ug/l #	84
7) Trichlorofluoromethane	1.54	101	184037	26.46	ug/l	93
8) Diethyl Ether	1.69	74	19734	22.63	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.89	101	80504	25.67	ug/l	95
10) Methyl Iodide	1.96	142	135543	25.77	ug/l #	91
11) Tert butyl alcohol	2.69	59	20207	137.57	ug/l #	94
12) 1,1-Dichloroethene	1.84	96	64128	23.70	ug/l	93
13) Acrolein	2.09	56	19035	139.85	ug/l	85
14) Allyl chloride	2.19	41	105928	24.62	ug/l	94
15) Acrylonitrile	3.07	53	39354	105.98	ug/l #	89
16) Acetone	2.33	43	110818	151.36	ug/l #	92
17) Carbon Disulfide	1.88	76	195357	25.69	ug/l #	88
18) Methyl Acetate	2.45	43	24471	23.16	ug/l #	85
19) Methyl tert-butyl Ether	2.53	73	153574	25.33	ug/l	94
20) Methylene Chloride	2.28	84	62040m	24.83	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	67987	24.57	ug/l	91
22) Diisopropyl ether	2.93	45	193954	24.82	ug/l	96
23) Vinyl Acetate	3.33	43	345972	119.35	ug/l	99
24) 1,1-Dichloroethane	2.99	63	141175	25.04	ug/l	100
25) 2-Butanone	4.51	43	116649	120.22	ug/l #	83
26) 2,2-Dichloropropane	3.76	77	83032	23.69	ug/l	98
27) cis-1,2-Dichloroethene	3.63	96	67413	20.20	ug/l	95
28) Bromochloromethane	3.88	49	40681	20.03	ug/l	93
29) Tetrahydrofuran	4.25	42	36670	110.46	ug/l	93
30) Chloroform	4.03	83	164216	23.06	ug/l	99
31) Cyclohexane	3.87	56	84420	20.97	ug/l	92
32) 1,1,1-Trichloroethane	4.27	97	146895	24.95	ug/l	96
36) 1,1-Dichloropropene	4.45	75	106616	22.78	ug/l	92
37) Ethyl Acetate	4.29	43	39169	25.85	ug/l	98
38) Carbon Tetrachloride	4.17	117	135384m	24.15	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	96888	20.50	ug/l	99
40) Benzene	4.81	78	203978	21.97	ug/l	97
41) Methacrylonitrile	4.92	41	18935	21.86	ug/l	92
42) 1,2-Dichloroethane	5.11	62	108377	25.14	ug/l	91
43) Isopropyl Acetate	7.11	43	45086	24.58	ug/l #	87
44) Trichloroethene	5.67	130	68478	22.82	ug/l	94
45) 1,2-Dichloropropane	6.40	63	51694	22.31	ug/l	91
46) Dibromomethane	6.25	93	40421	22.22	ug/l	91
47) Bromodichloromethane	6.54	83	119479	25.59	ug/l	98
48) Methyl methacrylate	6.87	41	29482	23.30	ug/l	97
49) 1,4-Dioxane	6.86	88	4637	393.97	ug/l	90
51) 4-Methyl-2-Pentanone	8.41	43	158180	119.05	ug/l	93
52) Toluene	7.78	92	132289	21.95	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	90158	24.72	ug/l	99
54) cis-1,3-Dichloropropene	7.46	75	97327	22.52	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	40027	22.16	ug/l	89
56) Ethyl methacrylate	8.76	69	46569	22.98	ug/l	97
57) 1,3-Dichloropropane	9.00	76	66530	21.77	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.78	63	26277	125.82	ug/l	100
59) 2-Hexanone	9.63	43	124517	122.50	ug/l	93
60) Dibromochloromethane	8.86	129	64651	22.22	ug/l	100
61) 1,2-Dibromoethane	9.14	107	41875	20.03	ug/l	82
64) Tetrachloroethene	8.31	164	62234	21.92	ug/l	97
65) Chlorobenzene	9.94	112	146830	21.73	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.07	131	68845	22.36	ug/l	97
67) Ethyl Benzene	10.03	91	294261	22.79	ug/l	97
68) m/p-Xylenes	10.27	106	189951	43.08	ug/l	93
69) o-Xylene	10.83	106	105481	21.24	ug/l	89
70) Styrene	10.90	104	154965	22.14	ug/l	96
71) Bromoform	10.89	173	35038	22.06	ug/l #	91
73) Isopropylbenzene	11.23	105	318631	21.71	ug/l	95
74) N-amyl acetate	11.46	43	72376	24.62	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	11.79	83	49093	20.04	ug/l	100
76) 1,2,3-Trichloropropane	11.89	75	41535	22.54	ug/l	100
77) Bromobenzene	11.59	156	71731	22.21	ug/l	97
78) n-propylbenzene	11.69	91	404551	23.24	ug/l	95
79) 2-Chlorotoluene	11.82	91	227081	21.79	ug/l	94
80) 1,3,5-Trimethylbenzene	11.92	105	286816	22.61	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.95	75	17418m	21.64	ug/l	
82) 4-Chlorotoluene	11.98	91	248771	23.03	ug/l	99
83) tert-Butylbenzene	12.21	119	290373	23.63	ug/l	95
84) 1,2,4-Trimethylbenzene	12.29	105	287251	22.30	ug/l	97
85) sec-Butylbenzene	12.39	105	371781	21.58	ug/l	98
86) p-Isopropyltoluene	12.54	119	317050	22.43	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	142022	22.03	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	139797	22.98	ug/l	92
89) n-Butylbenzene	12.92	91	329614	21.37	ug/l	96
90) Hexachloroethane	12.99	117	78439	21.50	ug/l	97
91) 1,2-Dichlorobenzene	13.02	146	133632	22.00	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	9430	18.57	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	108053	23.75	ug/l	96
94) Hexachlorobutadiene	14.25	225	73342	22.77	ug/l	93
95) Naphthalene	14.52	128	175468	21.81	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	96889	22.38	ug/l	98

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

