

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF103018\
 Data File : VF060546.D
 Acq On : 30 Oct 2018 15:51
 Operator : VA/AP
 Sample : VF1030SBSD01
 Misc : 5.00/5mL/MSVOA_F/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBSD01

Manual Integrations
 APPROVED

apatel
 10/31/2018 10:29:17 AM

Quant Time: Oct 31 05:16:09 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	5.05	168	209138	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	338174	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	293487	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	171899	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	198176	61.43	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	122.86%	
35) Dibromofluoromethane	4.29	113	188959	58.23	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	116.46%	
50) Toluene-d8	7.71	98	394078	49.73	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.46%	
62) 4-Bromofluorobenzene	11.51	95	177236	48.54	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	97.08%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.00	85	123748	33.31	ug/l	93
3) Chloromethane	1.14	50	62186	27.45	ug/l	99
4) Vinyl Chloride	1.19	62	64857	25.87	ug/l	93
5) Bromomethane	1.36	94	63132	32.04	ug/l	94
6) Chloroethane	1.43	64	39269	30.08	ug/l	97
7) Trichlorofluoromethane	1.55	101	174303	28.85	ug/l	97
8) Diethyl Ether	1.70	74	19661	25.95	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.90	101	78402	28.91	ug/l	95
10) Methyl Iodide	1.97	142	120789	26.43	ug/l #	96
11) Tert butyl alcohol	2.68	59	16739	130.50	ug/l #	80
12) 1,1-Dichloroethene	1.86	96	61319	26.09	ug/l	94
13) Acrolein	2.08	56	15664	132.33	ug/l	90
14) Allyl chloride	2.19	41	99317	26.58	ug/l	99
15) Acrylonitrile	3.07	53	35742	110.80	ug/l #	93
16) Acetone	2.34	43	101029	159.35	ug/l	99
17) Carbon Disulfide	1.90	76	172697	26.14	ug/l	96
18) Methyl Acetate	2.45	43	24351	26.10	ug/l	95
19) Methyl tert-butyl Ether	2.54	73	130997	24.88	ug/l	96
20) Methylene Chloride	2.28	84	59345	27.45	ug/l	93
21) trans-1,2-Dichloroethene	2.41	96	59015	24.55	ug/l	97
22) Diisopropyl ether	2.92	45	172423	25.40	ug/l	96
23) Vinyl Acetate	3.34	43	279550	111.02	ug/l	99
24) 1,1-Dichloroethane	3.00	63	130210	26.58	ug/l	99
25) 2-Butanone	4.52	43	97569	114.64	ug/l #	90
26) 2,2-Dichloropropane	3.76	77	81517	26.78	ug/l	92
27) cis-1,2-Dichloroethene	3.63	96	58493	20.18	ug/l	89
28) Bromochloromethane	3.89	49	38566	21.86	ug/l	98
29) Tetrahydrofuran	4.26	42	28898	98.86	ug/l	94
30) Chloroform	4.04	83	144697	23.39	ug/l	99
31) Cyclohexane	3.86	56	67342	19.25	ug/l	98
32) 1,1,1-Trichloroethane	4.27	97	138799	27.14	ug/l	94
36) 1,1-Dichloropropene	4.46	75	93649	22.23	ug/l	94
37) Ethyl Acetate	4.29	43	30156	22.11	ug/l #	89
38) Carbon Tetrachloride	4.17	117	147627	29.26	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	81301	19.11	ug/l	97
40) Benzene	4.80	78	171572	20.53	ug/l	99
41) Methacrylonitrile	4.92	41	15763	20.22	ug/l	91
42) 1,2-Dichloroethane	5.12	62	96807	24.95	ug/l	94
43) Isopropyl Acetate	7.11	43	35814	21.69	ug/l #	88
44) Trichloroethene	5.67	130	56707	20.99	ug/l	99
45) 1,2-Dichloropropane	6.41	63	40536	19.44	ug/l	93
46) Dibromomethane	6.25	93	33889	20.69	ug/l	94
47) Bromodichloromethane	6.55	83	96449	22.95	ug/l	98
48) Methyl methacrylate	6.87	41	24409	21.43	ug/l #	78
49) 1,4-Dioxane	6.86	88	3540	334.15	ug/l	92
51) 4-Methyl-2-Pentanone	8.40	43	126540	105.80	ug/l	88
52) Toluene	7.78	92	101894	18.78	ug/l	92
53) t-1,3-Dichloropropene	8.43	75	74628	22.74	ug/l	95
54) cis-1,3-Dichloropropene	7.46	75	80476	20.69	ug/l	89
55) 1,1,2-Trichloroethane	8.64	97	30573	18.81	ug/l #	93
56) Ethyl methacrylate	8.77	69	36491	20.01	ug/l #	84
57) 1,3-Dichloropropane	9.00	76	51655	18.78	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.78	63	23582	125.45	ug/l	100
59) 2-Hexanone	9.63	43	99378	108.40	ug/l	95
60) Dibromochloromethane	8.87	129	53918	20.59	ug/l	100
61) 1,2-Dibromoethane	9.14	107	34207	18.18	ug/l	96
64) Tetrachloroethene	8.30	164	49625	20.00	ug/l	94
65) Chlorobenzene	9.94	112	116803	19.78	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.08	131	56544	21.01	ug/l	95
67) Ethyl Benzene	10.04	91	241344	21.39	ug/l	97
68) m/p-Xylenes	10.26	106	151576	39.34	ug/l	76
69) o-Xylene	10.83	106	85829	19.78	ug/l	73
70) Styrene	10.91	104	120752	19.74	ug/l	98
71) Bromoform	10.89	173	28459	20.51	ug/l #	93
73) Isopropylbenzene	11.23	105	273502	20.81	ug/l	96
74) N-amyl acetate	11.47	43	52969	20.13	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.78	83	39298	17.92	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	34799	21.10	ug/l	99
77) Bromobenzene	11.60	156	56933	19.69	ug/l	87
78) n-propylbenzene	11.68	91	333353	21.39	ug/l	94
79) 2-Chlorotoluene	11.81	91	195161	20.92	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	251298	22.13	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.96	75	14747m	20.47	ug/l	
82) 4-Chlorotoluene	11.99	91	201340	20.82	ug/l	97
83) tert-Butylbenzene	12.22	119	245467	22.31	ug/l	96
84) 1,2,4-Trimethylbenzene	12.29	105	236000	20.46	ug/l	90
85) sec-Butylbenzene	12.38	105	313549	20.33	ug/l	96
86) p-Isopropyltoluene	12.54	119	278451	22.00	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	120339	20.85	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	114241	20.97	ug/l	97
89) n-Butylbenzene	12.92	91	294273	21.29	ug/l	93
90) Hexachloroethane	13.00	117	67821	20.76	ug/l	93
91) 1,2-Dichlorobenzene	13.02	146	112442	20.68	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	9495	20.88	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	89397	21.95	ug/l	97
94) Hexachlorobutadiene	14.26	225	63801	22.13	ug/l	94
95) Naphthalene	14.52	128	136042	18.88	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	79216	20.44	ug/l	95

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

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