

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082818\
 Data File : VF060146.D
 Acq On : 28 Aug 2018 13:33
 Operator : VA/AP
 Sample : VF0828SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0828SBS01

Manual Integrations
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apatel
 8/29/2018 11:03:29 AM

Quant Time: Aug 28 15:08:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	150902	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	216934	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	240195	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	150657	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	120867	58.52	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	117.04%	
35) Dibromofluoromethane	4.28	113	106879	62.74	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	125.48%	
50) Toluene-d8	7.70	98	256314	52.98	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	105.96%	
62) 4-Bromofluorobenzene	11.50	95	152629	59.64	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	119.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	52185	26.27	ug/l	94
3) Chloromethane	1.07	50	34299	24.73	ug/l	92
4) Vinyl Chloride	1.13	62	27220	22.07	ug/l	98
5) Bromomethane	1.31	94	19759	21.08	ug/l	89
6) Chloroethane	1.39	64	12468	25.64	ug/l	98
7) Trichlorofluoromethane	1.48	101	77904	31.41	ug/l	96
8) Diethyl Ether	1.70	74	8613	19.42	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.85	101	33336	25.60	ug/l	97
10) Methyl Iodide	1.92	142	27448	15.94	ug/l	86
11) Tert butyl alcohol	2.67	59	12458	113.39	ug/l #	80
12) 1,1-Dichloroethene	1.83	96	22614	23.57	ug/l #	77
13) Acrolein	2.09	56	2626m	61.33	ug/l	
14) Allyl chloride	2.18	41	36774	21.59	ug/l	94
15) Acrylonitrile	3.07	53	24041	110.88	ug/l	89
16) Acetone	2.34	43	67541	124.43	ug/l	95
17) Carbon Disulfide	1.83	76	68629	22.85	ug/l	98
18) Methyl Acetate	2.45	43	19983	19.00	ug/l	96
19) Methyl tert-butyl Ether	2.53	73	76450	24.87	ug/l	97
20) Methylene Chloride	2.28	84	30834	26.43	ug/l	92
21) trans-1,2-Dichloroethene	2.41	96	22242	20.72	ug/l	93
22) Diisopropyl ether	2.92	45	88118	23.10	ug/l	96
23) Vinyl Acetate	3.32	43	221539	109.62	ug/l	97
24) 1,1-Dichloroethane	2.99	63	70889	30.08	ug/l	97
25) 2-Butanone	4.49	43	74335	105.43	ug/l	98
26) 2,2-Dichloropropane	3.76	77	70844	29.06	ug/l	93
27) cis-1,2-Dichloroethene	3.63	96	35731	23.49	ug/l	93
28) Bromochloromethane	3.88	49	19388	19.49	ug/l	82
29) Tetrahydrofuran	4.23	42	25564	96.03	ug/l	99
30) Chloroform	4.02	83	79671	24.08	ug/l	97
31) Cyclohexane	3.86	56	39486	21.99	ug/l #	92
32) 1,1,1-Trichloroethane	4.27	97	81171	28.65	ug/l	96
36) 1,1-Dichloropropene	4.45	75	54032	26.50	ug/l	95
37) Ethyl Acetate	4.27	43	24393	20.01	ug/l #	61
38) Carbon Tetrachloride	4.16	117	68518	29.03	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	44762	23.42	ug/l #	83
40) Benzene	4.80	78	105728	23.74	ug/l	98
41) Methacrylonitrile	4.91	41	11888	19.28	ug/l #	86
42) 1,2-Dichloroethane	5.11	62	60496	25.33	ug/l	99
43) Isopropyl Acetate	7.10	43	30069	19.60	ug/l #	96
44) Trichloroethene	5.67	130	34833	23.66	ug/l	99
45) 1,2-Dichloropropane	6.39	63	30186	23.96	ug/l	93
46) Dibromomethane	6.24	93	24107	24.46	ug/l	89
47) Bromodichloromethane	6.54	83	62763	26.36	ug/l #	97
48) Methyl methacrylate	6.86	41	18931	18.64	ug/l	93
49) 1,4-Dioxane	6.85	88	3903	400.40	ug/l #	83
51) 4-Methyl-2-Pentanone	8.39	43	144642	109.15	ug/l	98
52) Toluene	7.77	92	79306	25.25	ug/l	97
53) t-1,3-Dichloropropene	8.42	75	56656	26.24	ug/l	94
54) cis-1,3-Dichloropropene	7.44	75	54366	22.56	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	25914	21.57	ug/l #	89
56) Ethyl methacrylate	8.75	69	31279	21.51	ug/l	99
57) 1,3-Dichloropropane	8.99	76	48538	22.98	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.77	63	16639	144.12	ug/l	100
59) 2-Hexanone	9.62	43	127418	118.80	ug/l	98
60) Dibromochloromethane	8.85	129	43738	24.66	ug/l	96
61) 1,2-Dibromoethane	9.14	107	35556	25.20	ug/l	94
64) Tetrachloroethene	8.30	164	38544	23.82	ug/l	98
65) Chlorobenzene	9.94	112	111667	24.62	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.07	131	40956	23.81	ug/l	99
67) Ethyl Benzene	10.04	91	201088	25.69	ug/l	100
68) m/p-Xylenes	10.26	106	145013	52.15	ug/l	97
69) o-Xylene	10.82	106	77150	25.16	ug/l	98
70) Styrene	10.89	104	121111	25.75	ug/l	95
71) Bromoform	10.88	173	27260	22.71	ug/l	98
73) Isopropylbenzene	11.22	105	233035	25.70	ug/l	95
74) N-amyl acetate	11.46	43	57476	20.39	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	40268	20.33	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	31975	20.82	ug/l	98
77) Bromobenzene	11.59	156	61202	24.82	ug/l	94
78) n-propylbenzene	11.68	91	292481	26.13	ug/l	99
79) 2-Chlorotoluene	11.81	91	166247	25.26	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	202213	25.59	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	13344m	18.99	ug/l	
82) 4-Chlorotoluene	11.99	91	177916	24.90	ug/l	98
83) tert-Butylbenzene	12.21	119	201538	26.15	ug/l	93
84) 1,2,4-Trimethylbenzene	12.28	105	222208	26.45	ug/l	96
85) sec-Butylbenzene	12.38	105	270405	25.21	ug/l	97
86) p-Isopropyltoluene	12.54	119	224852	25.26	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	112084	24.58	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	110746	24.44	ug/l	98
89) n-Butylbenzene	12.91	91	223653	25.87	ug/l	97
90) Hexachloroethane	12.99	117	50491	25.25	ug/l	94
91) 1,2-Dichlorobenzene	13.01	146	109599	24.99	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	9192	22.71	ug/l	82

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93) 1,2,4-Trichlorobenzene	14.26	180	73322	22.70	ug/l	98
94) Hexachlorobutadiene	14.26	225	54286	27.01	ug/l	98
95) Naphthalene	14.53	128	91035	17.79	ug/l	97
96) 1,2,3-Trichlorobenzene	14.68	180	69234	22.47	ug/l	98

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

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