

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082818\
 Data File : VF060160.D
 Acq On : 28 Aug 2018 19:58
 Operator : VA/AP
 Sample : VF0828SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0828SBS02

Quant Time: Aug 29 01:18:09 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	95749	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.75	114	119154	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	104488	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	56532	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	33517	25.58	ug/l	-0.02
Spiked Amount			Recovery	=	51.16%	
35) Dibromofluoromethane	4.28	113	38941	41.62	ug/l	-0.02
Spiked Amount			Recovery	=	83.24%	
50) Toluene-d8	7.71	98	124623	46.90	ug/l	-0.01
Spiked Amount			Recovery	=	93.80%	
62) 4-Bromofluorobenzene	11.50	95	49976	35.55	ug/l	-0.01
Spiked Amount			Recovery	=	71.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	34172	27.11	ug/l	94
3) Chloromethane	1.07	50	15903	16.99	ug/l	90
4) Vinyl Chloride	1.12	62	14360	18.35	ug/l	89
5) Bromomethane	1.32	94	7598	12.78	ug/l #	79
6) Chloroethane	1.40	64	9388	30.43	ug/l #	82
7) Trichlorofluoromethane	1.49	101	67067	42.61	ug/l	97
8) Diethyl Ether	1.69	74	3152	11.20	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.86	101	28852	34.92	ug/l	93
10) Methyl Iodide	1.93	142	16139	14.78	ug/l	95
11) Tert butyl alcohol	2.63	59	1472	21.11	ug/l #	7
12) 1,1-Dichloroethene	1.82	96	18673	30.68	ug/l	98
13) Acrolein	2.07	56	792	42.96	ug/l #	78
14) Allyl chloride	2.18	41	16423	15.19	ug/l #	89
15) Acrylonitrile	3.05	53	4290	31.18	ug/l	95
16) Acetone	2.31	43	10417	30.25	ug/l	93
17) Carbon Disulfide	1.84	76	54435	28.56	ug/l	98
18) Methyl Acetate	2.43	43	4563	3.97	ug/l	93
19) Methyl tert-butyl Ether	2.50	73	17265	8.85	ug/l	100
20) Methylene Chloride	2.28	84	11495	13.17	ug/l #	89
21) trans-1,2-Dichloroethene	2.40	96	16691	24.51	ug/l	90
22) Diisopropyl ether	2.90	45	30763	12.71	ug/l #	94
23) Vinyl Acetate	3.31	43	42362	33.03	ug/l #	93
24) 1,1-Dichloroethane	2.99	63	31277	20.92	ug/l	98
25) 2-Butanone	4.47	43	10103	22.58	ug/l #	72
26) 2,2-Dichloropropane	3.74	77	19757	12.77	ug/l	97
27) cis-1,2-Dichloroethene	3.63	96	14641	15.17	ug/l	81
28) Bromochloromethane	3.87	49	6983	11.06	ug/l	83
29) Tetrahydrofuran	4.24	42	4164	24.65	ug/l #	85
30) Chloroform	4.02	83	34028	16.21	ug/l	91
31) Cyclohexane	3.86	56	24302	21.33	ug/l	94
32) 1,1,1-Trichloroethane	4.27	97	44378	24.69	ug/l	94
36) 1,1-Dichloropropene	4.45	75	32015	28.59	ug/l #	87
37) Ethyl Acetate	4.26	43	4994	7.46	ug/l #	1
38) Carbon Tetrachloride	4.16	117	41031	31.64	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	29588	28.18	ug/l	92
40) Benzene	4.80	78	46333	18.94	ug/l	97
41) Methacrylonitrile	4.91	41	2649	7.82	ug/l #	85
42) 1,2-Dichloroethane	5.09	62	18499	14.10	ug/l	98
43) Isopropyl Acetate	7.10	43	6115	7.26	ug/l #	80
44) Trichloroethene	5.67	130	20457	25.30	ug/l	89
45) 1,2-Dichloropropane	6.40	63	10048	14.52	ug/l	89
46) Dibromomethane	6.24	93	5966	11.02	ug/l	90
47) Bromodichloromethane	6.54	83	21813	16.68	ug/l	90
48) Methyl methacrylate	6.86	41	5248	9.41	ug/l #	82
49) 1,4-Dioxane	6.85	88	716	133.73	ug/l #	78
51) 4-Methyl-2-Pentanone	8.40	43	28009	38.48	ug/l	92
52) Toluene	7.78	92	37852	21.23	ug/l	95
53) t-1,3-Dichloropropene	8.42	75	13458	11.35	ug/l	90
54) cis-1,3-Dichloropropene	7.44	75	15602	11.79	ug/l	93
55) 1,1,2-Trichloroethane	8.62	97	6918	10.48	ug/l	90
56) Ethyl methacrylate	8.75	69	5833	7.30	ug/l	91
57) 1,3-Dichloropropane	8.99	76	12673	10.92	ug/l #	86
58) 2-Chloroethyl Vinyl ether	7.78	63	8209	129.45	ug/l	100
59) 2-Hexanone	9.62	43	19156	32.52	ug/l	99
60) Dibromochloromethane	8.85	129	11181	11.48	ug/l	97
61) 1,2-Dibromoethane	9.13	107	7541	9.73	ug/l	96
64) Tetrachloroethene	8.30	164	22906	32.54	ug/l	97
65) Chlorobenzene	9.93	112	44613	22.61	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	15749	21.05	ug/l	97
67) Ethyl Benzene	10.03	91	101271	29.75	ug/l	94
68) m/p-Xylenes	10.27	106	68730	57.78	ug/l	98
69) o-Xylene	10.82	106	30692	23.01	ug/l	82
70) Styrene	10.90	104	39692	19.40	ug/l	91
71) Bromoform	10.88	173	5999	11.49	ug/l	82
73) Isopropylbenzene	11.23	105	113548	33.37	ug/l	98
74) N-amyl acetate	11.46	43	9367	8.86	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	8943	12.03	ug/l	72
76) 1,2,3-Trichloropropane	11.88	75	7728	13.41	ug/l	94
77) Bromobenzene	11.59	156	18905	20.43	ug/l	98
78) n-propylbenzene	11.69	91	143603	34.19	ug/l	99
79) 2-Chlorotoluene	11.81	91	69672	28.21	ug/l	95
80) 1,3,5-Trimethylbenzene	11.91	105	95166	32.10	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.96	75	2000	7.58	ug/l	91
82) 4-Chlorotoluene	11.98	91	71582	26.70	ug/l	91
83) tert-Butylbenzene	12.21	119	96287	33.30	ug/l	84
84) 1,2,4-Trimethylbenzene	12.28	105	86490	27.44	ug/l	97
85) sec-Butylbenzene	12.39	105	146588	36.42	ug/l	99
86) p-Isopropyltoluene	12.54	119	107899	32.31	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	41464	24.23	ug/l	92
88) 1,4-Dichlorobenzene	12.65	146	38544	22.67	ug/l	95
89) n-Butylbenzene	12.91	91	97392	30.02	ug/l	91
90) Hexachloroethane	12.99	117	23259	30.99	ug/l	85
91) 1,2-Dichlorobenzene	13.02	146	32314	19.64	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	1511	9.95	ug/l	80

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93) 1,2,4-Trichlorobenzene	14.26	180	15966	13.18	ug/l	94
94) Hexachlorobutadiene	14.25	225	25005	33.15	ug/l	89
95) Naphthalene	14.52	128	11526	7.52	ug/l	98
96) 1,2,3-Trichlorobenzene	14.68	180	9762	8.44	ug/l	90

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

