

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082718\
 Data File : VF060136.D
 Acq On : 27 Aug 2018 20:25
 Operator : VA/AP
 Sample : VF0827SBS01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0827SBS01

Quant Time: Aug 28 01:14:21 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	5.03	168	109537	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	136156	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.91	117	119703	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	66425	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	39724	26.50	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	53.00%	
35) Dibromofluoromethane	4.27	113	47019	43.98	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	87.96%	
50) Toluene-d8	7.70	98	149670	49.29	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	98.58%	
62) 4-Bromofluorobenzene	11.51	95	61491	38.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	41558	28.82	ug/l	98
3) Chloromethane	1.08	50	19876	18.94	ug/l	93
4) Vinyl Chloride	1.13	62	17594	19.65	ug/l	100
5) Bromomethane	1.32	94	8856	13.02	ug/l	89
6) Chloroethane	1.40	64	10550	29.89	ug/l	97
7) Trichlorofluoromethane	1.48	101	76341	42.40	ug/l	99
8) Diethyl Ether	1.69	74	3767	11.70	ug/l	64
9) 1,1,2-Trichlorotrifluoroet	1.86	101	35638	37.71	ug/l	97
10) Methyl Iodide	1.93	142	18810	15.05	ug/l	92
11) Tert butyl alcohol	2.67	59	101	1.27	ug/l #	80
12) 1,1-Dichloroethene	1.83	96	23387	33.59	ug/l	90
13) Acrolein	2.07	56	1082	46.19	ug/l	99
14) Allyl chloride	2.18	41	17955	14.52	ug/l	85
15) Acrylonitrile	3.05	53	5110	32.47	ug/l #	80
16) Acetone	2.31	43	13254	33.64	ug/l #	77
17) Carbon Disulfide	1.85	76	65958	30.25	ug/l	98
18) Methyl Acetate	2.43	43	4844	3.36	ug/l	93
19) Methyl tert-butyl Ether	2.51	73	20649	9.26	ug/l #	86
20) Methylene Chloride	2.27	84	13739	14.02	ug/l #	78
21) trans-1,2-Dichloroethene	2.41	96	21072	27.05	ug/l #	74
22) Diisopropyl ether	2.89	45	39431	14.24	ug/l #	89
23) Vinyl Acetate	3.30	43	56936	38.81	ug/l	99
24) 1,1-Dichloroethane	2.99	63	33902	19.82	ug/l	96
25) 2-Butanone	4.55	43	15407	30.10	ug/l	92
26) 2,2-Dichloropropane	3.75	77	19558	11.05	ug/l #	75
27) cis-1,2-Dichloroethene	3.62	96	15686	14.21	ug/l	89
28) Bromochloromethane	3.87	49	7723	10.69	ug/l #	77
29) Tetrahydrofuran	4.21	42	6459	33.43	ug/l	93
30) Chloroform	4.01	83	42393	17.65	ug/l	95
31) Cyclohexane	3.86	56	31063	23.83	ug/l #	82
32) 1,1,1-Trichloroethane	4.26	97	53743	26.14	ug/l	94
36) 1,1-Dichloropropene	4.44	75	35857	28.02	ug/l	92
37) Ethyl Acetate	4.25	43	6622	8.65	ug/l #	1
38) Carbon Tetrachloride	4.16	117	49544	33.44	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	36748	30.63	ug/l	92
40) Benzene	4.80	78	54560	19.52	ug/l	95
41) Methacrylonitrile	4.88	41	3336	8.62	ug/l #	89
42) 1,2-Dichloroethane	5.10	62	21410	14.29	ug/l	98
43) Isopropyl Acetate	7.09	43	7733	8.03	ug/l #	91
44) Trichloroethene	5.66	130	23728	25.68	ug/l	92
45) 1,2-Dichloropropane	6.39	63	13596	17.20	ug/l	98
46) Dibromomethane	6.24	93	7341	11.87	ug/l #	80
47) Bromodichloromethane	6.54	83	24599	16.46	ug/l #	86
48) Methyl methacrylate	6.85	41	5173	8.12	ug/l #	82
49) 1,4-Dioxane	6.83	88	1033	168.84	ug/l #	63
51) 4-Methyl-2-Pentanone	8.38	43	38055	45.76	ug/l	98
52) Toluene	7.77	92	47018	23.55	ug/l	99
53) t-1,3-Dichloropropene	8.41	75	15913	11.74	ug/l	98
54) cis-1,3-Dichloropropene	7.44	75	18990	12.56	ug/l	95
55) 1,1,2-Trichloroethane	8.63	97	9334	12.38	ug/l	89
56) Ethyl methacrylate	8.75	69	7992	8.75	ug/l	95
57) 1,3-Dichloropropane	8.99	76	15338	11.57	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.77	63	9232	127.41	ug/l	100
59) 2-Hexanone	9.61	43	24913	37.01	ug/l	99
60) Dibromochloromethane	8.84	129	15015	13.49	ug/l	92
61) 1,2-Dibromoethane	9.13	107	8396	9.48	ug/l	94
64) Tetrachloroethene	8.30	164	27537	34.15	ug/l	92
65) Chlorobenzene	9.93	112	53348	23.60	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	18894	22.04	ug/l	93
67) Ethyl Benzene	10.03	91	112901	28.95	ug/l	99
68) m/p-Xylenes	10.26	106	79964	58.84	ug/l	100
69) o-Xylene	10.83	106	36749	24.05	ug/l	97
70) Styrene	10.89	104	49229	21.00	ug/l	96
71) Bromoform	10.88	173	7836	13.10	ug/l	97
73) Isopropylbenzene	11.22	105	137937	34.50	ug/l	99
74) N-amyl acetate	11.46	43	12835	10.33	ug/l #	94
75) 1,1,1,2,2-Tetrachloroethane	11.78	83	11760	13.47	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	9481	14.00	ug/l	92
77) Bromobenzene	11.58	156	23451	21.57	ug/l	90
78) n-propylbenzene	11.68	91	171820	34.82	ug/l	100
79) 2-Chlorotoluene	11.80	91	83855	28.90	ug/l	94
80) 1,3,5-Trimethylbenzene	11.91	105	109264	31.37	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	2245	7.25	ug/l #	71
82) 4-Chlorotoluene	11.98	91	86434	27.43	ug/l	94
83) tert-Butylbenzene	12.21	119	114908	33.82	ug/l	88
84) 1,2,4-Trimethylbenzene	12.28	105	102451	27.66	ug/l	95
85) sec-Butylbenzene	12.38	105	171946	36.35	ug/l	98
86) p-Isopropyltoluene	12.53	119	127738	32.55	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	50132	24.93	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	44594	22.32	ug/l	95
89) n-Butylbenzene	12.92	91	124825	32.74	ug/l	97
90) Hexachloroethane	12.98	117	28278	32.07	ug/l	74
91) 1,2-Dichlorobenzene	13.01	146	40177	20.78	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	1952	10.94	ug/l	70

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	23705	16.65	ug/l	93
94) Hexachlorobutadiene	14.25	225	31657	35.72	ug/l	99
95) Naphthalene	14.52	128	19855	9.96	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	18984	13.97	ug/l	92

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

