

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072518\
 Data File : VF059658.D
 Acq On : 25 Jul 2018 15:25
 Operator : VA/AP
 Sample : VF0725SBS01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 83 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0725SBS01

Quant Time: Jul 25 16:21:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 02:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	242616	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.76	114	324916	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.92	117	287546	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	164412	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	122944	36.37	ug/l	0.01
Spiked Amount	50.000		Recovery	=	72.74%	
35) Dibromofluoromethane	4.30	113	132530	45.32	ug/l	0.02
Spiked Amount	50.000		Recovery	=	90.64%	
50) Toluene-d8	7.71	98	358139	50.25	ug/l	0.01
Spiked Amount	50.000		Recovery	=	100.50%	
62) 4-Bromofluorobenzene	11.51	95	155664	42.51	ug/l	0.01
Spiked Amount	50.000		Recovery	=	85.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	57821	20.36	ug/l	93
3) Chloromethane	1.08	50	36821	25.09	ug/l	93
4) Vinyl Chloride	1.15	62	38155	24.33	ug/l	96
5) Bromomethane	1.33	94	29923	24.90	ug/l	90
6) Chloroethane	1.41	64	22093	23.42	ug/l	91
7) Trichlorofluoromethane	1.49	101	94987	22.32	ug/l	92
8) Diethyl Ether	1.70	74	11145	18.81	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.89	101	52745	23.85	ug/l	92
10) Methyl Iodide	1.93	142	77515	22.11	ug/l	93
11) Tert butyl alcohol	2.69	59	10608	84.26	ug/l	100
12) 1,1-Dichloroethene	1.83	96	40061	24.25	ug/l	84
13) Acrolein	2.10	56	4089	66.25	ug/l	87
14) Allyl chloride	2.19	41	69012	23.99	ug/l	91
15) Acrylonitrile	3.07	53	18782	86.67	ug/l #	88
16) Acetone	2.33	43	45454	86.09	ug/l	98
17) Carbon Disulfide	1.84	76	123091	29.67	ug/l	97
18) Methyl Acetate	2.45	43	15796	17.23	ug/l #	91
19) Methyl tert-butyl Ether	2.54	73	75259	17.20	ug/l #	91
20) Methylene Chloride	2.27	84	35924	22.41	ug/l #	84
21) trans-1,2-Dichloroethene	2.41	96	38646	22.17	ug/l	93
22) Diisopropyl ether	2.93	45	115241	20.88	ug/l	96
23) Vinyl Acetate	3.33	43	223039	87.61	ug/l #	96
24) 1,1-Dichloroethane	3.00	63	84029	21.40	ug/l	97
25) 2-Butanone	4.51	43	59287	93.42	ug/l #	90
26) 2,2-Dichloropropane	3.76	77	85468	28.01	ug/l	96
27) cis-1,2-Dichloroethene	3.64	96	42458	19.90	ug/l	93
28) Bromochloromethane	3.89	49	24814	16.43	ug/l #	78
29) Tetrahydrofuran	4.26	42	20509	74.69	ug/l	97
30) Chloroform	4.03	83	105240	19.32	ug/l	90
31) Cyclohexane	3.87	56	60080	26.29	ug/l	98
32) 1,1,1-Trichloroethane	4.28	97	105530	22.73	ug/l	96
36) 1,1-Dichloropropene	4.45	75	78226	23.50	ug/l	99
37) Ethyl Acetate	4.29	43	21048	15.32	ug/l #	82
38) Carbon Tetrachloride	4.18	117	102309	22.27	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	74872	27.73	ug/l	87
40) Benzene	4.82	78	138631	22.51	ug/l	95
41) Methacrylonitrile	4.92	41	10157	16.31	ug/l	88
42) 1,2-Dichloroethane	5.11	62	59861	16.41	ug/l	96
43) Isopropyl Acetate	7.11	43	20834	14.23	ug/l #	92
44) Trichloroethene	5.68	130	54927	24.17	ug/l	92
45) 1,2-Dichloropropane	6.41	63	29811	19.12	ug/l	95
46) Dibromomethane	6.25	93	22342	16.97	ug/l	87
47) Bromodichloromethane	6.55	83	69058	17.93	ug/l	97
48) Methyl methacrylate	6.88	41	16038	14.88	ug/l	99
49) 1,4-Dioxane	6.87	88	2625	316.51	ug/l #	88
51) 4-Methyl-2-Pentanone	8.41	43	84085	78.14	ug/l	97
52) Toluene	7.78	92	96099	22.14	ug/l	95
53) t-1,3-Dichloropropene	8.43	75	51769	16.87	ug/l	100
54) cis-1,3-Dichloropropene	7.46	75	61202	18.87	ug/l	94
55) 1,1,2-Trichloroethane	8.64	97	22538	16.41	ug/l	89
56) Ethyl methacrylate	8.76	69	21273	14.49	ug/l	97
57) 1,3-Dichloropropane	9.00	76	39052	16.61	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.78	63	18643	98.96	ug/l	100
59) 2-Hexanone	9.63	43	62582	76.16	ug/l	95
60) Dibromochloromethane	8.87	129	41380	16.30	ug/l	88
61) 1,2-Dibromoethane	9.14	107	27072	16.15	ug/l	100
64) Tetrachloroethene	8.31	164	50745	22.27	ug/l	94
65) Chlorobenzene	9.94	112	114244	21.45	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	50324	20.38	ug/l	97
67) Ethyl Benzene	10.04	91	227177	23.73	ug/l	100
68) m/p-Xylenes	10.27	106	156623	45.79	ug/l	95
69) o-Xylene	10.83	106	80612	22.14	ug/l	97
70) Styrene	10.90	104	109058	20.74	ug/l	97
71) Bromoform	10.89	173	23137	16.64	ug/l	99
73) Isopropylbenzene	11.23	105	289094	27.98	ug/l	95
74) N-amyl acetate	11.46	43	38901	17.56	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.79	83	30181	19.29	ug/l	90
76) 1,2,3-Trichloropropane	11.89	75	24942	19.30	ug/l	94
77) Bromobenzene	11.60	156	56476	22.34	ug/l	92
78) n-propylbenzene	11.69	91	323279	26.28	ug/l	99
79) 2-Chlorotoluene	11.82	91	183112	24.74	ug/l	96
80) 1,3,5-Trimethylbenzene	11.92	105	228808	24.92	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	15197	19.10	ug/l	93
82) 4-Chlorotoluene	11.99	91	190741	24.15	ug/l	100
83) tert-Butylbenzene	12.22	119	239551	25.88	ug/l	96
84) 1,2,4-Trimethylbenzene	12.29	105	230270	24.44	ug/l	96
85) sec-Butylbenzene	12.39	105	312213	25.30	ug/l	98
86) p-Isopropyltoluene	12.54	119	269455	25.08	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	114512	22.89	ug/l	95
88) 1,4-Dichlorobenzene	12.64	146	106450	21.72	ug/l	97
89) n-Butylbenzene	12.92	91	266705	25.92	ug/l	98
90) Hexachloroethane	13.00	117	63432	24.21	ug/l #	1
91) 1,2-Dichlorobenzene	13.02	146	102551	21.71	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.72	75	7015	17.39	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	73006	18.14	ug/l	92
94) Hexachlorobutadiene	14.26	225	62815	23.02	ug/l	95
95) Naphthalene	14.53	128	89617	15.31	ug/l	96
96) 1,2,3-Trichlorobenzene	14.68	180	62163	18.63	ug/l	98

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

