

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032319\
 Data File : VF062114.D
 Acq On : 23 Mar 2019 13:44
 Operator : VA/AP
 Sample : VF0323SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0323SBS01

Quant Time: Mar 25 04:03:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	239654	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.60	114	391648	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.78	117	309821	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	169652	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	111996	62.83	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	125.66%	
35) Dibromofluoromethane	4.12	113	152519	57.57	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	115.14%	
50) Toluene-d8	7.56	98	425663	53.82	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	107.64%	
62) 4-Bromofluorobenzene	11.42	95	166967	54.69	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	109.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	68455	22.30	ug/l	92
3) Chloromethane	1.10	50	69160	21.53	ug/l	98
4) Vinyl Chloride	1.14	62	63588	21.40	ug/l	99
5) Bromomethane	1.32	94	45701	21.40	ug/l	91
6) Chloroethane	1.40	64	31447	21.02	ug/l	91
7) Trichlorofluoromethane	1.49	101	77094m	21.48	ug/l	
8) Diethyl Ether	1.63	74	15651	19.09	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.85	101	52636	21.50	ug/l	93
10) Methyl Iodide	1.92	142	106424m	22.87	ug/l	
11) Tert butyl alcohol	2.57	59	12186	124.25	ug/l #	77
12) 1,1-Dichloroethene	1.80	96	36978	16.01	ug/l	97
13) Acrolein	2.00	56	13942	118.21	ug/l	95
14) Allyl chloride	2.10	41	53973	21.88	ug/l	97
15) Acrylonitrile	2.95	53	39740	115.22	ug/l	96
16) Acetone	2.24	43	41617	110.93	ug/l	99
17) Carbon Disulfide	1.82	76	149291m	21.19	ug/l	
18) Methyl Acetate	2.34	43	21225m	23.72	ug/l	
19) Methyl tert-butyl Ether	2.43	73	85310	23.37	ug/l	94
20) Methylene Chloride	2.18	84	58560m	24.31	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	44614	20.07	ug/l	98
22) Diisopropyl ether	2.81	45	146520	22.66	ug/l	97
23) Vinyl Acetate	3.19	43	327135	123.56	ug/l	99
24) 1,1-Dichloroethane	2.88	63	81908	21.12	ug/l	99
25) 2-Butanone	4.35	43	85568	109.25	ug/l	98
26) 2,2-Dichloropropane	3.60	77	36078	22.95	ug/l	96
27) cis-1,2-Dichloroethene	3.48	96	61310	20.82	ug/l	96
28) Bromochloromethane	3.72	49	36924	23.31	ug/l	90
29) Tetrahydrofuran	4.07	42	38735	113.75	ug/l	97
30) Chloroform	3.86	83	96819	23.63	ug/l	97
31) Cyclohexane	3.69	56	81028m	20.01	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	53110	21.30	ug/l	90
36) 1,1-Dichloropropene	4.29	75	75101	20.13	ug/l	100
37) Ethyl Acetate	4.12	43	37977	23.29	ug/l #	90
38) Carbon Tetrachloride	3.99	117	51142m	20.11	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	87153	20.13	ug/l	97
40) Benzene	4.63	78	199720	19.97	ug/l	98
41) Methacrylonitrile	4.74	41	18868	21.87	ug/l	93
42) 1,2-Dichloroethane	4.94	62	51624	21.83	ug/l	93
43) Isopropyl Acetate	6.97	43	43936	22.25	ug/l #	99
44) Trichloroethene	5.51	130	63789	20.86	ug/l	94
45) 1,2-Dichloropropane	6.24	63	46974	19.69	ug/l	97
46) Dibromomethane	6.09	93	30340	20.80	ug/l	92
47) Bromodichloromethane	6.39	83	68232	21.12	ug/l	90
48) Methyl methacrylate	6.71	41	25390	22.59	ug/l	86
49) 1,4-Dioxane	6.71	88	5082	515.20	ug/l #	71
51) 4-Methyl-2-Pentanone	8.26	43	149134	112.85	ug/l	97
52) Toluene	7.63	92	118856	20.52	ug/l	99
53) t-1,3-Dichloropropene	8.28	75	53332	21.03	ug/l	95
54) cis-1,3-Dichloropropene	7.30	75	77942	21.48	ug/l	94
55) 1,1,2-Trichloroethane	8.49	97	35911	21.83	ug/l	96
56) Ethyl methacrylate	8.62	69	41068	20.93	ug/l	93
57) 1,3-Dichloropropane	8.85	76	57528	21.07	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.29	63	33371	112.08	ug/l	93
59) 2-Hexanone	9.49	43	111872	115.51	ug/l	96
60) Dibromochloromethane	8.71	129	49236	21.53	ug/l	98
61) 1,2-Dibromoethane	8.99	107	38045	21.67	ug/l	97
64) Tetrachloroethene	8.15	164	52489	21.93	ug/l	94
65) Chlorobenzene	9.80	112	127282	21.96	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.94	131	55691	23.92	ug/l	95
67) Ethyl Benzene	9.91	91	233788	23.19	ug/l	96
68) m/p-Xylenes	10.13	106	169584	45.01	ug/l	89
69) o-Xylene	10.72	106	91011	23.06	ug/l	100
70) Styrene	10.79	104	135033	22.58	ug/l	96
71) Bromoform	10.77	173	27686	23.25	ug/l	93
73) Isopropylbenzene	11.13	105	261151	21.88	ug/l	99
74) N-amyl acetate	11.38	43	66836	23.50	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.69	83	49483	24.14	ug/l	99
76) 1,2,3-Trichloropropane	11.79	75	31632	21.93	ug/l	90
77) Bromobenzene	11.49	156	62527	21.44	ug/l	89
78) n-propylbenzene	11.59	91	304368	21.96	ug/l	99
79) 2-Chlorotoluene	11.72	91	172559	22.40	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	221836	22.59	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.87	75	12095m	20.58	ug/l	
82) 4-Chlorotoluene	11.90	91	167434	21.19	ug/l	99
83) tert-Butylbenzene	12.14	119	226034	21.99	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	218911	22.74	ug/l	95
85) sec-Butylbenzene	12.30	105	299259	22.50	ug/l	97
86) p-Isopropyltoluene	12.46	119	256614	22.27	ug/l	97
87) 1,3-Dichlorobenzene	12.47	146	125363	23.14	ug/l	95
88) 1,4-Dichlorobenzene	12.57	146	115343	21.81	ug/l	97
89) n-Butylbenzene	12.85	91	244520	22.25	ug/l	95
90) Hexachloroethane	12.91	117	59428	21.66	ug/l	97
91) 1,2-Dichlorobenzene	12.94	146	118773	23.34	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.64	75	6718	21.63	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	84503	23.83	ug/l	97
94) Hexachlorobutadiene	14.19	225	51090	21.67	ug/l	93
95) Naphthalene	14.45	128	136953	22.04	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	77170	23.25	ug/l	98

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

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