

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032319\
 Data File : VF062115.D
 Acq On : 23 Mar 2019 14:13
 Operator : VA/AP
 Sample : VF0323SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0323SBS01

Quant Time: Mar 25 04:06:20 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	4.87	168	269728	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.60	114	417487	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.77	117	350941	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.56	152	187074	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	91790	45.75	ug/l	-0.03
Spiked Amount			Recovery	=	91.50%	
35) Dibromofluoromethane	4.11	113	129123	45.72	ug/l	-0.03
Spiked Amount			Recovery	=	91.44%	
50) Toluene-d8	7.56	98	367314	43.57	ug/l	-0.03
Spiked Amount			Recovery	=	87.14%	
62) 4-Bromofluorobenzene	11.41	95	145401	44.68	ug/l	-0.02
Spiked Amount			Recovery	=	89.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	79129	22.90	ug/l	98
3) Chloromethane	1.11	50	68836	19.04	ug/l	97
4) Vinyl Chloride	1.15	62	67833	20.28	ug/l	95
5) Bromomethane	1.32	94	49432	20.56	ug/l	90
6) Chloroethane	1.38	64	35672	21.19	ug/l	99
7) Trichlorofluoromethane	1.48	101	88889	22.01	ug/l	100
8) Diethyl Ether	1.63	74	19432	21.06	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.84	101	57472	20.86	ug/l	97
10) Methyl Iodide	1.91	142	112109m	21.41	ug/l	
11) Tert butyl alcohol	2.58	59	10996	99.61	ug/l	95
12) 1,1-Dichloroethene	1.80	96	52408	20.16	ug/l	97
13) Acrolein	2.00	56	14155	106.64	ug/l	94
14) Allyl chloride	2.09	41	61652	22.21	ug/l	93
15) Acrylonitrile	2.94	53	41260	106.29	ug/l	88
16) Acetone	2.24	43	46504	110.13	ug/l	96
17) Carbon Disulfide	1.83	76	162067	20.44	ug/l #	92
18) Methyl Acetate	2.35	43	19219	19.08	ug/l	99
19) Methyl tert-butyl Ether	2.43	73	89323	21.74	ug/l	98
20) Methylene Chloride	2.18	84	61392m	22.41	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	54745	21.88	ug/l	91
22) Diisopropyl ether	2.80	45	154930	21.29	ug/l	97
23) Vinyl Acetate	3.19	43	318992	107.05	ug/l	99
24) 1,1-Dichloroethane	2.87	63	95695	21.93	ug/l	97
25) 2-Butanone	4.34	43	88681	100.60	ug/l	100
26) 2,2-Dichloropropane	3.60	77	39213	22.16	ug/l	95
27) cis-1,2-Dichloroethene	3.48	96	70738	21.34	ug/l	98
28) Bromochloromethane	3.72	49	39691	22.26	ug/l	89
29) Tetrahydrofuran	4.08	42	39597	103.32	ug/l	97
30) Chloroform	3.87	83	101709	22.05	ug/l	98
31) Cyclohexane	3.69	56	87467m	19.19	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	67648	24.11	ug/l #	93
36) 1,1-Dichloropropene	4.28	75	82682	20.79	ug/l	93
37) Ethyl Acetate	4.11	43	35387	20.36	ug/l #	98
38) Carbon Tetrachloride	4.00	117	65438	24.14	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	98615	21.37	ug/l	94
40) Benzene	4.64	78	227102	21.30	ug/l	96
41) Methacrylonitrile	4.76	41	19178	20.86	ug/l	95
42) 1,2-Dichloroethane	4.94	62	54595	21.66	ug/l	94
43) Isopropyl Acetate	6.96	43	40478	19.23	ug/l #	97
44) Trichloroethene	5.51	130	68892	21.14	ug/l	91
45) 1,2-Dichloropropane	6.24	63	53615	21.09	ug/l	91
46) Dibromomethane	6.09	93	32693	21.03	ug/l	95
47) Bromodichloromethane	6.39	83	71144	20.66	ug/l	99
48) Methyl methacrylate	6.72	41	23463	19.58	ug/l	96
49) 1,4-Dioxane	6.71	88	4490	427.01	ug/l #	80
51) 4-Methyl-2-Pentanone	8.27	43	147818	104.93	ug/l	99
52) Toluene	7.63	92	129810	21.02	ug/l	98
53) t-1,3-Dichloropropene	8.29	75	58396	21.60	ug/l	95
54) cis-1,3-Dichloropropene	7.30	75	78675	20.34	ug/l	94
55) 1,1,2-Trichloroethane	8.49	97	37208	21.21	ug/l	95
56) Ethyl methacrylate	8.62	69	45041	21.53	ug/l	97
57) 1,3-Dichloropropane	8.86	76	61918	21.27	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.30	63	32477	102.32	ug/l	95
59) 2-Hexanone	9.49	43	111371	107.87	ug/l	91
60) Dibromochloromethane	8.72	129	49276	20.21	ug/l	100
61) 1,2-Dibromoethane	8.99	107	38764	20.72	ug/l	99
64) Tetrachloroethene	8.16	164	58092	21.43	ug/l	94
65) Chlorobenzene	9.80	112	140016	21.32	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.93	131	57671	21.86	ug/l	99
67) Ethyl Benzene	9.90	91	245235	21.48	ug/l	98
68) m/p-Xylenes	10.13	106	182955	42.87	ug/l	94
69) o-Xylene	10.71	106	97055	21.71	ug/l	94
70) Styrene	10.79	104	145173	21.43	ug/l	99
71) Bromoform	10.77	173	29498	21.86	ug/l #	98
73) Isopropylbenzene	11.13	105	278430	21.15	ug/l	97
74) N-amyl acetate	11.37	43	64196	20.47	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.70	83	48601	21.50	ug/l	97
76) 1,2,3-Trichloropropane	11.80	75	33211	20.88	ug/l	98
77) Bromobenzene	11.50	156	67698	21.05	ug/l	94
78) n-propylbenzene	11.60	91	334299	21.87	ug/l	98
79) 2-Chlorotoluene	11.72	91	183600	21.61	ug/l	99
80) 1,3,5-Trimethylbenzene	11.83	105	236350	21.83	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	12640m	19.50	ug/l	
82) 4-Chlorotoluene	11.90	91	190202	21.83	ug/l	97
83) tert-Butylbenzene	12.13	119	241872	21.34	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	234475	22.09	ug/l	93
85) sec-Butylbenzene	12.31	105	320927	21.89	ug/l	99
86) p-Isopropyltoluene	12.46	119	280987	22.12	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	129291	21.64	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	125792	21.57	ug/l	98
89) n-Butylbenzene	12.84	91	272192	22.46	ug/l	95
90) Hexachloroethane	12.92	117	66117	21.86	ug/l	84
91) 1,2-Dichlorobenzene	12.94	146	119409	21.28	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.64	75	6936	20.25	ug/l	80

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93) 1,2,4-Trichlorobenzene	14.20	180	87075	22.27	ug/l	96
94) Hexachlorobutadiene	14.19	225	57023	21.93	ug/l	97
95) Naphthalene	14.46	128	142917	20.86	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	76086	20.79	ug/l	93

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

