

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF021519\
 Data File : VF061655.D
 Acq On : 15 Feb 2019 14:46
 Operator : VA/AP
 Sample : VF0215SBSD01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0215SBSD01

Quant Time: Feb 16 05:23:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.90	168	308689	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.63	114	472670	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.80	117	396388	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.57	152	234401	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.87	65	120613	53.28	ug/l	0.01
Spiked Amount			Recovery	=	106.56%	
35) Dibromofluoromethane	4.14	113	180794	51.51	ug/l	0.02
Spiked Amount			Recovery	=	103.02%	
50) Toluene-d8	7.58	98	535565	53.08	ug/l	0.02
Spiked Amount			Recovery	=	106.16%	
62) 4-Bromofluorobenzene	11.43	95	213018	52.17	ug/l	0.01
Spiked Amount			Recovery	=	104.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	83558	23.571	ug/l	100
3) Chloromethane	1.09	50	81115	21.808	ug/l	100
4) Vinyl Chloride	1.14	62	75240	21.760	ug/l	92
5) Bromomethane	1.34	94	52298	21.976	ug/l	95
6) Chloroethane	1.39	64	37192	21.826	ug/l	99
7) Trichlorofluoromethane	1.50	101	74191m	17.790	ug/l	
8) Diethyl Ether	1.65	74	18963	18.043	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.84	101	60073	19.967	ug/l #	86
10) Methyl Iodide	1.92	142	97285	16.928	ug/l	98
11) Tert butyl alcohol	2.58	59	11358	86.698	ug/l	100
12) 1,1-Dichloroethene	1.80	96	53415	20.193	ug/l #	89
13) Acrolein	2.02	56	15921	96.695	ug/l	88
14) Allyl chloride	2.11	41	63659	19.612	ug/l	97
15) Acrylonitrile	2.97	53	40091	86.276	ug/l	94
16) Acetone	2.26	43	45461	93.603	ug/l	98
17) Carbon Disulfide	1.84	76	169764	20.418	ug/l	98
18) Methyl Acetate	2.37	43	19496	17.819	ug/l	96
19) Methyl tert-butyl Ether	2.44	73	90982	20.126	ug/l	97
20) Methylene Chloride	2.26	84	56046m	20.024	ug/l	
21) trans-1,2-Dichloroethene	2.33	96	60663	21.097	ug/l	95
22) Diisopropyl ether	2.82	45	161356	20.709	ug/l	99
23) Vinyl Acetate	3.21	43	401983	105.629	ug/l	100
24) 1,1-Dichloroethane	2.89	63	91643	19.436	ug/l	98
25) 2-Butanone	4.36	43	109539	103.253	ug/l	99
26) 2,2-Dichloropropane	3.63	77	43101	21.580	ug/l	98
27) cis-1,2-Dichloroethene	3.50	96	78687	20.848	ug/l	97
28) Bromochloromethane	3.74	49	45397	20.066	ug/l	90
29) Tetrahydrofuran	4.11	42	48125	99.808	ug/l	97
30) Chloroform	3.88	83	114521	21.357	ug/l	97
31) Cyclohexane	3.72	56	108272	21.212	ug/l	95
32) 1,1,1-Trichloroethane	4.12	97	73277	20.861	ug/l	95
36) 1,1-Dichloropropene	4.31	75	93566	19.983	ug/l	94
37) Ethyl Acetate	4.14	43	40369	18.562	ug/l #	84
38) Carbon Tetrachloride	4.01	117	66147	20.459	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.48	83	115652	20.885	ug/l	95
40) Benzene	4.66	78	251325	20.520	ug/l	99
41) Methacrylonitrile	4.77	41	19244	17.302	ug/l	91
42) 1,2-Dichloroethane	4.97	62	54255	18.519	ug/l	99
43) Isopropyl Acetate	6.99	43	47775	18.558	ug/l	98
44) Trichloroethene	5.53	130	82341	20.790	ug/l	96
45) 1,2-Dichloropropane	6.26	63	62065	20.965	ug/l	99
46) Dibromomethane	6.11	93	35813	19.648	ug/l	97
47) Bromodichloromethane	6.41	83	80809	20.245	ug/l	98
48) Methyl methacrylate	6.74	41	30584	19.742	ug/l	95
49) 1,4-Dioxane	6.72	88	5209	357.679	ug/l	93
51) 4-Methyl-2-Pentanone	8.28	43	174601	94.920	ug/l	99
52) Toluene	7.65	92	157897	21.257	ug/l	97
53) t-1,3-Dichloropropene	8.30	75	68083	20.494	ug/l	95
54) cis-1,3-Dichloropropene	7.32	75	89176	20.153	ug/l	95
55) 1,1,2-Trichloroethane	8.52	97	42551	19.497	ug/l	95
56) Ethyl methacrylate	8.65	69	47736	19.646	ug/l	99
57) 1,3-Dichloropropane	8.87	76	69080	18.964	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.32	63	36556	87.199	ug/l	92
59) 2-Hexanone	9.51	43	128596	99.733	ug/l	99
60) Dibromochloromethane	8.74	129	61218	20.153	ug/l	96
61) 1,2-Dibromoethane	9.01	107	47095	19.896	ug/l	95
64) Tetrachloroethene	8.18	164	69787	21.539	ug/l	98
65) Chlorobenzene	9.82	112	165401	20.563	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.96	131	64778	20.552	ug/l	97
67) Ethyl Benzene	9.93	91	294077	21.985	ug/l	99
68) m/p-Xylenes	10.15	106	226166	44.179	ug/l	97
69) o-Xylene	10.74	106	123334	22.578	ug/l	98
70) Styrene	10.81	104	168085	21.751	ug/l	99
71) Bromoform	10.80	173	34862	20.369	ug/l	97
73) Isopropylbenzene	11.14	105	335190	20.085	ug/l	99
74) N-amyl acetate	11.39	43	77387	19.319	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.71	83	56773	18.988	ug/l	98
76) 1,2,3-Trichloropropane	11.81	75	37172	18.286	ug/l	95
77) Bromobenzene	11.52	156	84821	20.573	ug/l	96
78) n-propylbenzene	11.61	91	393270	20.535	ug/l	99
79) 2-Chlorotoluene	11.73	91	218886	20.408	ug/l	95
80) 1,3,5-Trimethylbenzene	11.84	105	273238	20.485	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.88	75	15442m	15.845	ug/l	
82) 4-Chlorotoluene	11.92	91	220766	19.831	ug/l	99
83) tert-Butylbenzene	12.15	119	297603	20.144	ug/l	98
84) 1,2,4-Trimethylbenzene	12.22	105	264822	19.984	ug/l	96
85) sec-Butylbenzene	12.32	105	383721	20.085	ug/l	98
86) p-Isopropyltoluene	12.47	119	334174	20.842	ug/l	98
87) 1,3-Dichlorobenzene	12.49	146	160731	19.997	ug/l	99
88) 1,4-Dichlorobenzene	12.58	146	158571	20.514	ug/l	97
89) n-Butylbenzene	12.86	91	325807	21.519	ug/l	99
90) Hexachloroethane	12.94	117	73656	19.752	ug/l	90
91) 1,2-Dichlorobenzene	12.96	146	148830	19.467	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.66	75	8139	17.170	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	111699	20.384	ug/l	96
94) Hexachlorobutadiene	14.21	225	69929	20.663	ug/l	96
95) Naphthalene	14.47	128	168407	17.565	ug/l	100
96) 1,2,3-Trichlorobenzene	14.62	180	95149	18.918	ug/l	99

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

