

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051419\
 Data File : VF062592.D
 Acq On : 14 May 2019 21:09
 Operator : FY/SY
 Sample : VF0514SBSD01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0514SBSD01

Quant Time: May 15 05:33:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 05:06:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	626989	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1085098	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	777563	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	397630	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.06	65	205578	43.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.80%	
35) Dibromofluoromethane	4.33	113	376410	46.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.22%	
50) Toluene-d8	7.73	98	858622	45.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.24%	
62) 4-Bromofluorobenzene	11.50	95	289526	43.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.02	85	149336	23.177	ug/l	95
3) Chloromethane	1.14	50	156441	21.879	ug/l	96
4) Vinyl Chloride	1.19	62	148807	20.910	ug/l	100
5) Bromomethane	1.39	94	67231	17.918	ug/l	87
6) Chloroethane	1.45	64	53622	19.842	ug/l	96
7) Trichlorofluoromethane	1.56	101	201193	20.634	ug/l	97
8) Diethyl Ether	1.72	74	41233	18.865	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.92	101	134971	20.293	ug/l	95
10) Methyl Iodide	1.99	142	235479m	19.879	ug/l	
11) Tert butyl alcohol	2.70	59	27507	96.456	ug/l	99
12) 1,1-Dichloroethene	1.88	96	115740	20.315	ug/l	91
13) Acrolein	2.11	56	21731	114.981	ug/l #	80
14) Allyl chloride	2.21	41	127533	21.876	ug/l	95
15) Acrylonitrile	3.11	53	126603	124.105	ug/l #	81
16) Acetone	2.37	43	94351	98.167	ug/l #	86
17) Carbon Disulfide	1.92	76	288590	20.584	ug/l	96
18) Methyl Acetate	2.47	43	43301	17.884	ug/l #	88
19) Methyl tert-butyl Ether	2.56	73	221333	21.819	ug/l	99
20) Methylene Chloride	2.31	84	123350m	17.959	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	120649	21.012	ug/l #	88
22) Diisopropyl ether	2.95	45	278039	20.512	ug/l	99
23) Vinyl Acetate	3.36	43	796912	107.486	ug/l	98
24) 1,1-Dichloroethane	3.04	63	209221	20.276	ug/l	98
25) 2-Butanone	4.54	43	219404	100.973	ug/l	99
26) 2,2-Dichloropropane	3.80	77	112832	20.261	ug/l	91
27) cis-1,2-Dichloroethene	3.67	96	168730	20.800	ug/l	96
28) Bromochloromethane	3.93	49	121549	20.956	ug/l	93
29) Tetrahydrofuran	4.30	42	99527	108.240	ug/l	99
30) Chloroform	4.07	83	251814	20.338	ug/l	93
31) Cyclohexane	3.89	56	226164	21.030	ug/l	94
32) 1,1,1-Trichloroethane	4.32	97	180495	21.627	ug/l	99
36) 1,1-Dichloropropene	4.50	75	192138	20.463	ug/l	98
37) Ethyl Acetate	4.33	43	87253	22.614	ug/l #	75
38) Carbon Tetrachloride	4.21	117	156973	20.380	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	225411	20.504	ug/l	92
40) Benzene	4.85	78	542768	20.319	ug/l	97
41) Methacrylonitrile	4.96	41	44149	20.206	ug/l	96
42) 1,2-Dichloroethane	5.16	62	105618	18.633	ug/l	96
43) Isopropyl Acetate	7.14	43	92219	20.198	ug/l #	87
44) Trichloroethene	5.71	130	143818	19.936	ug/l	90
45) 1,2-Dichloropropane	6.43	63	135445	20.145	ug/l	97
46) Dibromomethane	6.28	93	75265	20.022	ug/l	98
47) Bromodichloromethane	6.58	83	160142	19.817	ug/l	97
48) Methyl methacrylate	6.90	41	49984	20.000	ug/l	93
49) 1,4-Dioxane	6.90	88	10426	316.575	ug/l #	73
51) 4-Methyl-2-Pentanone	8.42	43	341163	101.976	ug/l	92
52) Toluene	7.80	92	254821	19.004	ug/l	97
53) t-1,3-Dichloropropene	8.45	75	113835	17.831	ug/l	92
54) cis-1,3-Dichloropropene	7.48	75	168610	18.689	ug/l	97
55) 1,1,2-Trichloroethane	8.66	97	78716	19.606	ug/l	93
56) Ethyl methacrylate	8.77	69	82972	18.856	ug/l	99
57) 1,3-Dichloropropane	9.02	76	133349	20.124	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.47	63	145922	105.987	ug/l	96
59) 2-Hexanone	9.64	43	228752	103.530	ug/l	98
60) Dibromochloromethane	8.88	129	101646	19.927	ug/l	91
61) 1,2-Dibromoethane	9.15	107	81498	20.240	ug/l	95
64) Tetrachloroethene	8.33	164	111170	21.636	ug/l	92
65) Chlorobenzene	9.96	112	267920	19.819	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.08	131	111849	20.144	ug/l	98
67) Ethyl Benzene	10.05	91	497175	20.701	ug/l	97
68) m/p-Xylenes	10.27	106	349728	41.083	ug/l	91
69) o-Xylene	10.83	106	180639	20.228	ug/l	90
70) Styrene	10.90	104	263469	19.417	ug/l	95
71) Bromoform	10.89	173	49106	18.783	ug/l #	94
73) Isopropylbenzene	11.23	105	514602	19.248	ug/l	98
74) N-amyl acetate	11.46	43	146909	22.630	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	99899	18.239	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	68670	19.557	ug/l	88
77) Bromobenzene	11.59	156	118877	19.676	ug/l	93
78) n-propylbenzene	11.68	91	609554	19.168	ug/l	94
79) 2-Chlorotoluene	11.81	91	352347	20.077	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	432356	20.659	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.95	75	24984m	16.694	ug/l	
82) 4-Chlorotoluene	11.99	91	345607	20.140	ug/l	99
83) tert-Butylbenzene	12.20	119	457078	20.879	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	417776	20.322	ug/l	97
85) sec-Butylbenzene	12.38	105	603321	20.300	ug/l	97
86) p-Isopropyltoluene	12.53	119	505979	20.682	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	229599	19.430	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	215412	19.432	ug/l	94
89) n-Butylbenzene	12.90	91	525917	21.118	ug/l	97
90) Hexachloroethane	12.98	117	121587	19.402	ug/l	94
91) 1,2-Dichlorobenzene	13.01	146	203876	19.448	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	13053	19.402	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	147947	20.295	ug/l	95
94) Hexachlorobutadiene	14.23	225	104290	19.694	ug/l	94
95) Naphthalene	14.50	128	241514	20.354	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	134098	19.828	ug/l	95

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

