

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051519\
 Data File : VF062609.D
 Acq On : 15 May 2019 15:24
 Operator : FY/SY
 Sample : VF0515SBSD01
 Misc : 6.47g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0515SBSD01

Quant Time: May 15 15:52:39 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	5.07	168	659707	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.79	114	1062947	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	794430	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	384300	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	217226	43.59	ug/l	-0.02
Spiked Amount			Recovery	=	87.18%	
35) Dibromofluoromethane	4.33	113	379282	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	
50) Toluene-d8	7.72	98	864097	46.35	ug/l	-0.02
Spiked Amount			Recovery	=	92.70%	
62) 4-Bromofluorobenzene	11.50	95	298140	45.79	ug/l	0.00
Spiked Amount			Recovery	=	91.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.02	85	154802	22.730	ug/l	96
3) Chloromethane	1.15	50	153253	20.370	ug/l	96
4) Vinyl Chloride	1.20	62	143168	19.120	ug/l	95
5) Bromomethane	1.40	94	68254	17.261	ug/l	83
6) Chloroethane	1.45	64	58197	20.466	ug/l	96
7) Trichlorofluoromethane	1.56	101	206416	20.120	ug/l	91
8) Diethyl Ether	1.72	74	40667	17.683	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.93	101	126359	18.056	ug/l #	90
10) Methyl Iodide	2.00	142	239093	19.183	ug/l	99
11) Tert butyl alcohol	2.71	59	27688	92.275	ug/l #	94
12) 1,1-Dichloroethene	1.88	96	114123	19.037	ug/l	95
13) Acrolein	2.11	56	23163	116.479	ug/l	93
14) Allyl chloride	2.21	41	115567	18.840	ug/l	96
15) Acrylonitrile	3.11	53	121573	113.264	ug/l	93
16) Acetone	2.36	43	101616	100.482	ug/l #	84
17) Carbon Disulfide	1.93	76	268968	17.383	ug/l	99
18) Methyl Acetate	2.47	43	41936	15.944	ug/l	94
19) Methyl tert-butyl Ether	2.55	73	221288	20.732	ug/l	98
20) Methylene Chloride	2.35	84	129855m	17.970	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	127278	21.068	ug/l	97
22) Diisopropyl ether	2.95	45	280112	19.640	ug/l	91
23) Vinyl Acetate	3.36	43	849579	108.907	ug/l	99
24) 1,1-Dichloroethane	3.03	63	209137	19.263	ug/l	97
25) 2-Butanone	4.53	43	231966	101.460	ug/l	94
26) 2,2-Dichloropropane	3.79	77	113511	19.372	ug/l	95
27) cis-1,2-Dichloroethene	3.67	96	173686	20.349	ug/l	87
28) Bromochloromethane	3.91	49	121748	19.949	ug/l	99
29) Tetrahydrofuran	4.29	42	103408	106.883	ug/l	99
30) Chloroform	4.07	83	261522	20.074	ug/l	97
31) Cyclohexane	3.89	56	235696	20.829	ug/l	94
32) 1,1,1-Trichloroethane	4.30	97	186700	21.261	ug/l	96
36) 1,1-Dichloropropene	4.49	75	191813	20.855	ug/l	96
37) Ethyl Acetate	4.32	43	87422	23.130	ug/l #	71
38) Carbon Tetrachloride	4.20	117	167253	22.167	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.65	83	233565	21.689	ug/l	94
40) Benzene	4.84	78	584004	22.319	ug/l	95
41) Methacrylonitrile	4.95	41	45439	21.230	ug/l #	93
42) 1,2-Dichloroethane	5.14	62	121293	21.844	ug/l	93
43) Isopropyl Acetate	7.13	43	102773	22.978	ug/l	92
44) Trichloroethene	5.70	130	160692	22.740	ug/l	100
45) 1,2-Dichloropropane	6.42	63	148468	22.542	ug/l	96
46) Dibromomethane	6.27	93	82847	22.498	ug/l	92
47) Bromodichloromethane	6.57	83	177362	22.405	ug/l	95
48) Methyl methacrylate	6.89	41	51742	21.135	ug/l	93
49) 1,4-Dioxane	6.88	88	12112	375.433	ug/l #	89
51) 4-Methyl-2-Pentanone	8.41	43	358835	109.494	ug/l	97
52) Toluene	7.79	92	296686	22.587	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	142195	22.737	ug/l	95
54) cis-1,3-Dichloropropene	7.47	75	200307	22.665	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	89509	22.759	ug/l	97
56) Ethyl methacrylate	8.76	69	93565	21.707	ug/l #	90
57) 1,3-Dichloropropane	9.01	76	143400	22.092	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.46	63	157824	117.021	ug/l	98
59) 2-Hexanone	9.63	43	242805	112.180	ug/l	96
60) Dibromochloromethane	8.87	129	110818	22.178	ug/l	96
61) 1,2-Dibromoethane	9.14	107	93697	23.754	ug/l	98
64) Tetrachloroethene	8.32	164	117725	22.426	ug/l	94
65) Chlorobenzene	9.95	112	307527	22.266	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	125229	22.075	ug/l	93
67) Ethyl Benzene	10.04	91	531389	21.655	ug/l	100
68) m/p-Xylenes	10.27	106	404230	46.477	ug/l	96
69) o-Xylene	10.82	106	201434	22.078	ug/l	93
70) Styrene	10.90	104	300024	21.641	ug/l	98
71) Bromoform	10.88	173	56454	21.136	ug/l	97
73) Isopropylbenzene	11.22	105	551847	21.357	ug/l	98
74) N-amyl acetate	11.45	43	139041	22.161	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	108224	20.445	ug/l	95
76) 1,2,3-Trichloropropane	11.88	75	71456	21.056	ug/l	88
77) Bromobenzene	11.59	156	127668	21.864	ug/l	78
78) n-propylbenzene	11.68	91	655797	21.338	ug/l	94
79) 2-Chlorotoluene	11.80	91	366767	21.623	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	444878	21.995	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	30570m	21.134	ug/l	
82) 4-Chlorotoluene	11.98	91	365732	22.052	ug/l	94
83) tert-Butylbenzene	12.20	119	484403	22.895	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	449848	22.641	ug/l	97
85) sec-Butylbenzene	12.37	105	637857	22.206	ug/l	99
86) p-Isopropyltoluene	12.53	119	529349	22.387	ug/l	95
87) 1,3-Dichlorobenzene	12.55	146	248950	21.798	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	232024	21.657	ug/l	94
89) n-Butylbenzene	12.90	91	548528	22.790	ug/l	94
90) Hexachloroethane	12.98	117	135391	22.354	ug/l	76
91) 1,2-Dichlorobenzene	13.00	146	230647	22.764	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	12999	19.991	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	163150	23.156	ug/l	96
94) Hexachlorobutadiene	14.23	225	114715	22.414	ug/l	92
95) Naphthalene	14.50	128	248739	21.690	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	151098	23.117	ug/l	98

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

