

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051419\
 Data File : VF062591.D
 Acq On : 14 May 2019 20:41
 Operator : FY/SY
 Sample : VF0514SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0514SBS01

Quant Time: May 15 05:31:14 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	589000	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1008747	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	743127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	376849	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	191966	43.14	ug/l	-0.01
Spiked Amount			Recovery	=	86.28%	
35) Dibromofluoromethane	4.33	113	330539	44.03	ug/l	0.00
Spiked Amount			Recovery	=	88.06%	
50) Toluene-d8	7.73	98	789986	44.65	ug/l	0.00
Spiked Amount			Recovery	=	89.30%	
62) 4-Bromofluorobenzene	11.51	95	280039	45.32	ug/l	0.00
Spiked Amount			Recovery	=	90.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	148194	24.878	ug/l	85
3) Chloromethane	1.15	50	161470	24.039	ug/l	97
4) Vinyl Chloride	1.20	62	156213	23.367	ug/l	99
5) Bromomethane	1.39	94	64720	18.383	ug/l	97
6) Chloroethane	1.44	64	52260	20.585	ug/l	88
7) Trichlorofluoromethane	1.56	101	201534	22.002	ug/l	99
8) Diethyl Ether	1.72	74	37449	18.239	ug/l	67
9) 1,1,2-Trichlorotrifluoroet	1.92	101	139760	22.369	ug/l	95
10) Methyl Iodide	1.99	142	242698	21.810	ug/l	98
11) Tert butyl alcohol	2.71	59	26809	100.071	ug/l	98
12) 1,1-Dichloroethene	1.88	96	119937	22.409	ug/l	100
13) Acrolein	2.12	56	18315	103.157	ug/l	90
14) Allyl chloride	2.21	41	131321m	23.979	ug/l	
15) Acrylonitrile	3.10	53	88663	92.519	ug/l	94
16) Acetone	2.36	43	90541	100.279	ug/l	93
17) Carbon Disulfide	1.92	76	296437	23.204	ug/l	98
18) Methyl Acetate	2.48	43	41900	18.617	ug/l #	87
19) Methyl tert-butyl Ether	2.57	73	197778	20.754	ug/l	99
20) Methylene Chloride	2.30	84	128251m	20.157	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	116517	21.602	ug/l	83
22) Diisopropyl ether	2.95	45	290539	22.817	ug/l	95
23) Vinyl Acetate	3.37	43	768140	110.288	ug/l	96
24) 1,1-Dichloroethane	3.03	63	201016	20.737	ug/l	97
25) 2-Butanone	4.55	43	208863	102.322	ug/l	100
26) 2,2-Dichloropropane	3.81	77	108272	20.696	ug/l	98
27) cis-1,2-Dichloroethene	3.67	96	156764	20.571	ug/l	98
28) Bromochloromethane	3.93	49	119767	21.981	ug/l	95
29) Tetrahydrofuran	4.29	42	89375	103.468	ug/l	98
30) Chloroform	4.08	83	246409	21.185	ug/l	93
31) Cyclohexane	3.92	56	214560	21.238	ug/l	97
32) 1,1,1-Trichloroethane	4.31	97	178139	22.721	ug/l	96
36) 1,1-Dichloropropene	4.50	75	184682	21.158	ug/l	94
37) Ethyl Acetate	4.32	43	74772	20.846	ug/l	89
38) Carbon Tetrachloride	4.21	117	156640	21.876	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	218624	21.392	ug/l	94
40) Benzene	4.85	78	530828	21.376	ug/l	99
41) Methacrylonitrile	4.96	41	42247	20.799	ug/l	94
42) 1,2-Dichloroethane	5.16	62	110816	21.030	ug/l	96
43) Isopropyl Acetate	7.13	43	81738	19.257	ug/l #	91
44) Trichloroethene	5.71	130	140897	21.010	ug/l	93
45) 1,2-Dichloropropane	6.43	63	131421	21.026	ug/l	98
46) Dibromomethane	6.28	93	74602	21.348	ug/l	96
47) Bromodichloromethane	6.57	83	153852	20.480	ug/l	96
48) Methyl methacrylate	6.90	41	45293	19.495	ug/l	88
49) 1,4-Dioxane	6.90	88	9979	325.936	ug/l #	87
51) 4-Methyl-2-Pentanone	8.42	43	300803	96.718	ug/l	100
52) Toluene	7.80	92	254821	20.442	ug/l	89
53) t-1,3-Dichloropropene	8.44	75	116961	19.707	ug/l	98
54) cis-1,3-Dichloropropene	7.48	75	167170	19.932	ug/l	95
55) 1,1,2-Trichloroethane	8.66	97	71474	19.150	ug/l	93
56) Ethyl methacrylate	8.78	69	76025	18.585	ug/l #	86
57) 1,3-Dichloropropane	9.02	76	124041	20.136	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.47	63	137736	107.613	ug/l	93
59) 2-Hexanone	9.65	43	200143	97.438	ug/l	94
60) Dibromochloromethane	8.88	129	93018	19.616	ug/l	97
61) 1,2-Dibromoethane	9.15	107	76601	20.463	ug/l	98
64) Tetrachloroethene	8.33	164	102727	20.920	ug/l	95
65) Chlorobenzene	9.95	112	265408	20.543	ug/l	91
66) 1,1,1,2-Tetrachloroethane	10.08	131	106657	20.099	ug/l	95
67) Ethyl Benzene	10.05	91	464225	20.224	ug/l	99
68) m/p-Xylenes	10.28	106	323250	39.732	ug/l	96
69) o-Xylene	10.84	106	176254	20.652	ug/l	95
70) Styrene	10.91	104	254336	19.612	ug/l	97
71) Bromoform	10.89	173	49333	19.745	ug/l	95
73) Isopropylbenzene	11.23	105	494242	19.506	ug/l	99
74) N-amyl acetate	11.46	43	119292	19.389	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.78	83	96000	18.494	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	65558	19.700	ug/l	87
77) Bromobenzene	11.60	156	110562	19.309	ug/l	80
78) n-propylbenzene	11.69	91	599034	19.876	ug/l	97
79) 2-Chlorotoluene	11.80	91	330598	19.876	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	408782	20.610	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	28553m	20.130	ug/l	
82) 4-Chlorotoluene	11.98	91	330742	20.337	ug/l	96
83) tert-Butylbenzene	12.21	119	421903	20.335	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	390010	20.018	ug/l	99
85) sec-Butylbenzene	12.38	105	575780	20.441	ug/l	100
86) p-Isopropyltoluene	12.53	119	481547	20.768	ug/l	96
87) 1,3-Dichlorobenzene	12.54	146	221728	19.798	ug/l	92
88) 1,4-Dichlorobenzene	12.63	146	209356	19.928	ug/l	99
89) n-Butylbenzene	12.91	91	490545	20.784	ug/l	96
90) Hexachloroethane	12.99	117	112751	18.984	ug/l	70
91) 1,2-Dichlorobenzene	13.01	146	202039	20.335	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	11905	18.671	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	135698	19.641	ug/l	96
94) Hexachlorobutadiene	14.24	225	100632	20.051	ug/l	97
95) Naphthalene	14.51	128	209283	18.611	ug/l	98
96) 1,2,3-Trichlorobenzene	14.64	180	127758	19.933	ug/l	94

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

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