

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052419\
 Data File : VF062743.D
 Acq On : 24 May 2019 13:18
 Operator : FY/SY
 Sample : VF0524SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0524SBS01

Quant Time: May 24 23:34:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	749004	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1263298	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	911630	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	447596	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	238220	45.01	ug/l	0.01
Spiked Amount			Recovery	=	90.02%	
35) Dibromofluoromethane	4.32	113	432792	44.77	ug/l	0.00
Spiked Amount			Recovery	=	89.54%	
50) Toluene-d8	7.72	98	995297	43.12	ug/l	0.00
Spiked Amount			Recovery	=	86.24%	
62) 4-Bromofluorobenzene	11.50	95	371862	42.48	ug/l	0.00
Spiked Amount			Recovery	=	84.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	180326	17.691	ug/l	89
3) Chloromethane	1.14	50	160215	17.071	ug/l	94
4) Vinyl Chloride	1.20	62	154247	17.854	ug/l	100
5) Bromomethane	1.38	94	88809	18.791	ug/l	95
6) Chloroethane	1.44	64	59045	18.609	ug/l	92
7) Trichlorofluoromethane	1.56	101	233415	20.122	ug/l	95
8) Diethyl Ether	1.72	74	45304	19.714	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.92	101	149048	20.179	ug/l	98
10) Methyl Iodide	1.99	142	286417	19.740	ug/l	94
11) Tert butyl alcohol	2.72	59	28613	81.883	ug/l	95
12) 1,1-Dichloroethene	1.88	96	136794	20.331	ug/l	90
13) Acrolein	2.11	56	24192	66.323	ug/l #	74
14) Allyl chloride	2.20	41	133495	21.922	ug/l	97
15) Acrylonitrile	3.10	53	74806	75.891	ug/l	94
16) Acetone	2.36	43	122234	89.018	ug/l	96
17) Carbon Disulfide	1.91	76	378925	19.000	ug/l #	94
18) Methyl Acetate	2.47	43	37732	17.486	ug/l	91
19) Methyl tert-butyl Ether	2.56	73	244726	20.346	ug/l	100
20) Methylene Chloride	2.33	84	173718m	25.240	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	133111	20.240	ug/l	95
22) Diisopropyl ether	2.95	45	286075	19.047	ug/l	96
23) Vinyl Acetate	3.36	43	945903	93.360	ug/l	98
24) 1,1-Dichloroethane	3.02	63	225293	20.447	ug/l	99
25) 2-Butanone	4.54	43	310608	105.876	ug/l	96
26) 2,2-Dichloropropane	3.79	77	154085	24.441	ug/l	92
27) cis-1,2-Dichloroethene	3.66	96	226909	20.975	ug/l	95
28) Bromochloromethane	3.92	49	109712	17.754	ug/l	91
29) Tetrahydrofuran	4.28	42	105597	88.949	ug/l	95
30) Chloroform	4.07	83	314873	20.583	ug/l	98
31) Cyclohexane	3.89	56	292560	19.775	ug/l	98
32) 1,1,1-Trichloroethane	4.30	97	217860	21.444	ug/l	100
36) 1,1-Dichloropropene	4.49	75	253686	19.597	ug/l	93
37) Ethyl Acetate	4.32	43	83664	15.829	ug/l	92
38) Carbon Tetrachloride	4.20	117	195806	20.112	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	327684	21.038	ug/l	96
40) Benzene	4.83	78	745301	21.134	ug/l	100
41) Methacrylonitrile	4.95	41	49827	17.982	ug/l	93
42) 1,2-Dichloroethane	5.14	62	142001	20.192	ug/l	92
43) Isopropyl Acetate	7.13	43	112311	16.402	ug/l #	93
44) Trichloroethene	5.70	130	213827	21.574	ug/l	89
45) 1,2-Dichloropropane	6.42	63	182940	20.550	ug/l	97
46) Dibromomethane	6.27	93	106166	20.635	ug/l	96
47) Bromodichloromethane	6.57	83	212841	19.928	ug/l #	97
48) Methyl methacrylate	6.90	41	58622	16.379	ug/l	97
49) 1,4-Dioxane	6.89	88	13611	296.922	ug/l	89
51) 4-Methyl-2-Pentanone	8.41	43	404216	86.362	ug/l	97
52) Toluene	7.79	92	373031	20.169	ug/l	94
53) t-1,3-Dichloropropene	8.43	75	164167	18.787	ug/l	90
54) cis-1,3-Dichloropropene	7.48	75	241876	19.774	ug/l	94
55) 1,1,2-Trichloroethane	8.65	97	109598	20.014	ug/l	95
56) Ethyl methacrylate	8.77	69	117603	18.026	ug/l	95
57) 1,3-Dichloropropane	9.00	76	183898	19.716	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.47	63	168424	79.311	ug/l	94
59) 2-Hexanone	9.64	43	299690	86.776	ug/l	99
60) Dibromochloromethane	8.87	129	137302	19.238	ug/l	96
61) 1,2-Dibromoethane	9.14	107	113443	19.504	ug/l	94
64) Tetrachloroethene	8.31	164	150903	20.894	ug/l	97
65) Chlorobenzene	9.94	112	391352	21.857	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	155209	21.593	ug/l	98
67) Ethyl Benzene	10.04	91	701554	22.554	ug/l	96
68) m/p-Xylenes	10.27	106	505116	43.206	ug/l	85
69) o-Xylene	10.83	106	263757	21.904	ug/l	93
70) Styrene	10.90	104	393028	21.474	ug/l	99
71) Bromoform	10.89	173	73666	20.463	ug/l #	91
73) Isopropylbenzene	11.22	105	713298	22.235	ug/l	94
74) N-amyl acetate	11.46	43	186365	19.545	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	134836	20.567	ug/l	96
76) 1,2,3-Trichloropropane	11.87	75	83926	19.483	ug/l	86
77) Bromobenzene	11.59	156	166575	20.890	ug/l	98
78) n-propylbenzene	11.68	91	856246	22.553	ug/l	91
79) 2-Chlorotoluene	11.80	91	463652	21.670	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	581736	22.615	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.94	75	36808m	19.223	ug/l	
82) 4-Chlorotoluene	11.98	91	467929	22.177	ug/l	99
83) tert-Butylbenzene	12.20	119	577279	22.120	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	545635	21.916	ug/l	98
85) sec-Butylbenzene	12.38	105	790018	22.557	ug/l	95
86) p-Isopropyltoluene	12.52	119	640303	21.693	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	316215	21.919	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	284197	20.992	ug/l	98
89) n-Butylbenzene	12.90	91	662007	22.748	ug/l	88
90) Hexachloroethane	12.98	117	155269	21.929	ug/l	96
91) 1,2-Dichlorobenzene	13.01	146	276281	21.484	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.69	75	15804	20.207	ug/l	59

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	182194	19.793	ug/l	95
94) Hexachlorobutadiene	14.23	225	129159	20.106	ug/l	97
95) Naphthalene	14.50	128	287908	17.216	ug/l	98
96) 1,2,3-Trichlorobenzene	14.64	180	165045	18.929	ug/l	98

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

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