

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF043019\
 Data File : VF062331.D
 Acq On : 30 Apr 2019 13:23
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: May 01 07:47:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 08:40:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	347459	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	476738	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.90	117	381912	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	219462	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	143423	50.96	ug/l	-0.01
Spiked Amount 50.000			Recovery =	101.92%		
35) Dibromofluoromethane	4.31	113	175971	49.78	ug/l	-0.01
Spiked Amount 50.000			Recovery =	99.56%		
50) Toluene-d8	7.71	98	426012	49.34	ug/l	-0.01
Spiked Amount 50.000			Recovery =	98.68%		
62) 4-Bromofluorobenzene	11.49	95	183071	51.44	ug/l	-0.01
Spiked Amount 50.000			Recovery =	102.88%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	195452	47.335	ug/l	94
3) Chloromethane	1.15	50	141370	40.641	ug/l	98
4) Vinyl Chloride	1.19	62	136821	41.531	ug/l	98
5) Bromomethane	1.40	94	112234	50.165	ug/l	95
6) Chloroethane	1.44	64	73076	50.600	ug/l	94
7) Trichlorofluoromethane	1.56	101	289096	55.224	ug/l	85
8) Diethyl Ether	1.70	74	40206	42.394	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.90	101	169648	51.639	ug/l	98
10) Methyl Iodide	1.98	142	279008	48.586	ug/l	96
11) Tert butyl alcohol	2.69	59	42733	251.001	ug/l	96
12) 1,1-Dichloroethene	1.86	96	135552	46.242	ug/l	91
13) Acrolein	2.10	56	39596	248.132	ug/l	99
14) Allyl chloride	2.20	41	163248	51.172	ug/l #	21
15) Acrylonitrile	3.08	53	96142	203.890	ug/l	93
16) Acetone	2.34	43	193394	306.903	ug/l	93
17) Carbon Disulfide	1.92	76	332884	43.149	ug/l	98
18) Methyl Acetate	2.45	43	60188	51.453	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	280922	50.269	ug/l	97
20) Methylene Chloride	2.33	84	131361m	48.686	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	131353	45.343	ug/l	94
22) Diisopropyl ether	2.94	45	405051	47.164	ug/l	98
23) Vinyl Acetate	3.34	43	895231	235.069	ug/l	98
24) 1,1-Dichloroethane	3.00	63	250480	51.100	ug/l	99
25) 2-Butanone	4.51	43	227659	227.848	ug/l	99
26) 2,2-Dichloropropane	3.77	77	133932	52.615	ug/l	98
27) cis-1,2-Dichloroethene	3.65	96	169272	46.142	ug/l	97
28) Bromochloromethane	3.90	49	88014	42.609	ug/l #	98
29) Tetrahydrofuran	4.26	42	93457	212.871	ug/l	96
30) Chloroform	4.05	83	309983	50.361	ug/l	99
31) Cyclohexane	3.87	56	195547	41.925	ug/l	99
32) 1,1,1-Trichloroethane	4.29	97	274537	56.809	ug/l #	83
36) 1,1-Dichloropropene	4.46	75	213630	48.571	ug/l	98
37) Ethyl Acetate	4.30	43	83142	44.933	ug/l #	48
38) Carbon Tetrachloride	4.18	117	243708m	54.505	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	223219	43.475	ug/l	98
40) Benzene	4.82	78	469163	44.150	ug/l	99
41) Methacrylonitrile	4.93	41	45124	43.897	ug/l #	89
42) 1,2-Dichloroethane	5.12	62	191744	56.956	ug/l	96
43) Isopropyl Acetate	7.11	43	89647	47.268	ug/l #	95
44) Trichloroethene	5.68	130	171259	47.634	ug/l	95
45) 1,2-Dichloropropane	6.41	63	110593	46.159	ug/l	94
46) Dibromomethane	6.26	93	90414	52.261	ug/l	99
47) Bromodichloromethane	6.54	83	227703	55.987	ug/l #	89
48) Methyl methacrylate	6.87	41	66706	49.206	ug/l	93
49) 1,4-Dioxane	6.86	88	12800	819.973	ug/l #	82
51) 4-Methyl-2-Pentanone	8.40	43	341222	234.045	ug/l	97
52) Toluene	7.78	92	299882	48.905	ug/l	100
53) t-1,3-Dichloropropene	8.43	75	160953	53.818	ug/l	94
54) cis-1,3-Dichloropropene	7.45	75	197940	51.664	ug/l	92
55) 1,1,2-Trichloroethane	8.63	97	90320	51.863	ug/l	99
56) Ethyl methacrylate	8.75	69	88210	46.105	ug/l #	93
57) 1,3-Dichloropropane	8.99	76	133347	48.699	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.45	63	128085	220.010	ug/l	98
59) 2-Hexanone	9.62	43	236469	266.659	ug/l	97
60) Dibromochloromethane	8.86	129	150208	53.143	ug/l	99
61) 1,2-Dibromoethane	9.13	107	103239	51.220	ug/l	96
64) Tetrachloroethene	8.30	164	163065	51.047	ug/l	95
65) Chlorobenzene	9.92	112	346138	49.597	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	170073	51.737	ug/l	99
67) Ethyl Benzene	10.02	91	602334	49.644	ug/l	97
68) m/p-Xylenes	10.26	106	456528	101.064	ug/l	96
69) o-Xylene	10.81	106	249496	49.437	ug/l	98
70) Styrene	10.89	104	363272	49.794	ug/l	97
71) Bromoform	10.87	173	95481	51.601	ug/l #	97
73) Isopropylbenzene	11.22	105	759366	50.502	ug/l	98
74) N-amyl acetate	11.44	43	143207	41.335	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.77	83	117956	49.377	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	86019	50.751	ug/l #	100
77) Bromobenzene	11.58	156	184417	49.061	ug/l	98
78) n-propylbenzene	11.67	91	787876	49.798	ug/l	100
79) 2-Chlorotoluene	11.80	91	487578	51.163	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	632026	49.791	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	34409m	45.417	ug/l	
82) 4-Chlorotoluene	11.96	91	476595	50.541	ug/l	98
83) tert-Butylbenzene	12.19	119	671482	51.545	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	610528	49.661	ug/l	98
85) sec-Butylbenzene	12.37	105	822279	50.678	ug/l	100
86) p-Isopropyltoluene	12.52	119	686522	47.194	ug/l	95
87) 1,3-Dichlorobenzene	12.54	146	380487	57.214	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	312462	49.555	ug/l	98
89) n-Butylbenzene	12.89	91	651802	49.313	ug/l	98
90) Hexachloroethane	12.97	117	192617	52.823	ug/l	97
91) 1,2-Dichlorobenzene	12.99	146	319677	50.078	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.68	75	25912	53.768	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	299499	53.405	ug/l	100
94) Hexachlorobutadiene	14.22	225	225971	56.028	ug/l	99
95) Naphthalene	14.49	128	430799	49.584	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	284286	53.599	ug/l	99

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

