

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042519\
 Data File : VF062288.D
 Acq On : 25 Apr 2019 12:38
 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: Apr 26 01:15:14 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	5.06	168	465674	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	652320	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	478210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	253381	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	178695	47.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.74%	
35) Dibromofluoromethane	4.31	113	236409	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
50) Toluene-d8	7.72	98	567044	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	
62) 4-Bromofluorobenzene	11.50	95	207578	42.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	279356	50.480	ug/l	100
3) Chloromethane	1.15	50	234372	50.273	ug/l	96
4) Vinyl Chloride	1.19	62	223640	50.651	ug/l	97
5) Bromomethane	1.40	94	158881	52.988	ug/l	99
6) Chloroethane	1.45	64	110653	57.169	ug/l	98
7) Trichlorofluoromethane	1.56	101	380167	54.185	ug/l	92
8) Diethyl Ether	1.71	74	64690	50.894	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.91	101	230588	52.370	ug/l	98
10) Methyl Iodide	1.99	142	401607	52.181	ug/l	99
11) Tert butyl alcohol	2.70	59	56055	245.668	ug/l	95
12) 1,1-Dichloroethene	1.88	96	200197	50.958	ug/l	92
13) Acrolein	2.11	56	53842	251.632	ug/l	97
14) Allyl chloride	2.20	41	263371m	61.599	ug/l	
15) Acrylonitrile	3.09	53	165571	261.992	ug/l	97
16) Acetone	2.35	43	248047	293.707	ug/l	97
17) Carbon Disulfide	1.92	76	526495	50.921	ug/l	97
18) Methyl Acetate	2.47	43	76051	48.327	ug/l	96
19) Methyl tert-butyl Ether	2.55	73	372746	49.768	ug/l	98
20) Methylene Chloride	2.34	84	185314m	51.557	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	191891	49.425	ug/l	99
22) Diisopropyl ether	2.94	45	580600	50.443	ug/l	98
23) Vinyl Acetate	3.35	43	1273578	249.521	ug/l	100
24) 1,1-Dichloroethane	3.02	63	341480	51.979	ug/l	98
25) 2-Butanone	4.53	43	341731	255.192	ug/l	98
26) 2,2-Dichloropropane	3.78	77	188053	55.122	ug/l	100
27) cis-1,2-Dichloroethene	3.65	96	253312	51.521	ug/l	96
28) Bromochloromethane	3.91	49	133668	48.283	ug/l #	97
29) Tetrahydrofuran	4.27	42	144192	245.057	ug/l	100
30) Chloroform	4.06	83	428915	51.994	ug/l	97
31) Cyclohexane	3.89	56	320765	51.313	ug/l	97
32) 1,1,1-Trichloroethane	4.29	97	349853	54.016	ug/l #	83
36) 1,1-Dichloropropene	4.48	75	310464	51.588	ug/l	99
37) Ethyl Acetate	4.31	43	119774	47.307	ug/l #	67
38) Carbon Tetrachloride	4.20	117	343454m	56.137	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	372693	53.049	ug/l	98
40) Benzene	4.83	78	741858	51.021	ug/l	100
41) Methacrylonitrile	4.94	41	70339	50.008	ug/l	93
42) 1,2-Dichloroethane	5.13	62	235134	51.045	ug/l	100
43) Isopropyl Acetate	7.12	43	118730	45.745	ug/l #	97
44) Trichloroethene	5.69	130	244668	49.735	ug/l	99
45) 1,2-Dichloropropane	6.41	63	176653	53.885	ug/l	99
46) Dibromomethane	6.27	93	129520	54.714	ug/l	98
47) Bromodichloromethane	6.56	83	303752	54.582	ug/l	95
48) Methyl methacrylate	6.89	41	94106	50.733	ug/l	98
49) 1,4-Dioxane	6.88	88	21012	983.730	ug/l	96
51) 4-Methyl-2-Pentanone	8.41	43	482706	241.971	ug/l	99
52) Toluene	7.78	92	416235	49.609	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	217333	53.110	ug/l	99
54) cis-1,3-Dichloropropene	7.47	75	281474	53.692	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	121272	50.892	ug/l	98
56) Ethyl methacrylate	8.76	69	122268	46.705	ug/l	99
57) 1,3-Dichloropropane	9.00	76	176300	47.056	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.46	63	184556	231.681	ug/l	100
59) 2-Hexanone	9.63	43	293810	240.757	ug/l	99
60) Dibromochloromethane	8.87	129	203920	52.727	ug/l	98
61) 1,2-Dibromoethane	9.13	107	143621	52.076	ug/l	97
64) Tetrachloroethene	8.31	164	215344	53.838	ug/l	96
65) Chlorobenzene	9.94	112	444699	50.888	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	216740	52.656	ug/l	98
67) Ethyl Benzene	10.04	91	772857	50.872	ug/l	100
68) m/p-Xylenes	10.27	106	567840	100.392	ug/l	100
69) o-Xylene	10.82	106	326446	51.659	ug/l	99
70) Styrene	10.90	104	446005	48.823	ug/l	99
71) Bromoform	10.88	173	115200	49.720	ug/l #	99
73) Isopropylbenzene	11.21	105	939975	54.145	ug/l	97
74) N-amyl acetate	11.45	43	169273	42.318	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	146147	52.988	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	100274	51.242	ug/l #	100
77) Bromobenzene	11.58	156	225790	52.026	ug/l	99
78) n-propylbenzene	11.68	91	945505	51.761	ug/l	100
79) 2-Chlorotoluene	11.80	91	581534	52.853	ug/l	100
80) 1,3,5-Trimethylbenzene	11.89	105	777570	53.056	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	43564m	49.804	ug/l	
82) 4-Chlorotoluene	11.97	91	558213	51.272	ug/l	97
83) tert-Butylbenzene	12.20	119	816752	54.304	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	749324	52.791	ug/l	99
85) sec-Butylbenzene	12.37	105	999689	53.364	ug/l	100
86) p-Isopropyltoluene	12.53	119	908946	54.119	ug/l	100
87) 1,3-Dichlorobenzene	12.55	146	384037	50.018	ug/l	100
88) 1,4-Dichlorobenzene	12.63	146	370339	50.872	ug/l	96
89) n-Butylbenzene	12.90	91	786763	51.555	ug/l	99
90) Hexachloroethane	12.98	117	233354	55.428	ug/l	98
91) 1,2-Dichlorobenzene	13.00	146	377038	51.158	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	27280	49.029	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	338478	52.276	ug/l	100
94) Hexachlorobutadiene	14.23	225	259943	55.824	ug/l	99
95) Naphthalene	14.50	128	514159	51.257	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	319614	52.193	ug/l	100

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

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