

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030519\
 Data File : VF061859.D
 Acq On : 5 Mar 2019 22:22
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 12:12:27 AM

Quant Time: Mar 06 06:30:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	300195	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	459610	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.77	117	396607	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	213867	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	116072	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
35) Dibromofluoromethane	4.11	113	163856	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	
50) Toluene-d8	7.55	98	496960	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
62) 4-Bromofluorobenzene	11.41	95	186908	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	178283	48.374	ug/l	92
3) Chloromethane	1.10	50	171754	48.086	ug/l	96
4) Vinyl Chloride	1.14	62	171224	50.498	ug/l	98
5) Bromomethane	1.33	94	130128	56.314	ug/l	92
6) Chloroethane	1.39	64	86684	53.783	ug/l	92
7) Trichlorofluoromethane	1.49	101	224168	54.132	ug/l	99
8) Diethyl Ether	1.63	74	51264	54.437	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.83	101	146509	52.098	ug/l	95
10) Methyl Iodide	1.90	142	288036m	53.823	ug/l	
11) Tert butyl alcohol	2.58	59	31772	256.052	ug/l	95
12) 1,1-Dichloroethene	1.79	96	135106	52.624	ug/l	86
13) Acrolein	2.00	56	41487	263.864	ug/l	99
14) Allyl chloride	2.09	41	166873	58.999	ug/l	96
15) Acrylonitrile	2.95	53	101638	257.235	ug/l	99
16) Acetone	2.24	43	101244	221.087	ug/l	99
17) Carbon Disulfide	1.82	76	418709m	52.393	ug/l	
18) Methyl Acetate	2.35	43	58621m	64.679	ug/l	
19) Methyl tert-butyl Ether	2.43	73	230974	53.181	ug/l	97
20) Methylene Chloride	2.18	84	134864m	53.375	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	144901	59.967	ug/l	92
22) Diisopropyl ether	2.80	45	390134	53.026	ug/l	97
23) Vinyl Acetate	3.19	43	852270	259.300	ug/l	99
24) 1,1-Dichloroethane	2.87	63	236338	53.742	ug/l	99
25) 2-Butanone	4.33	43	230764	247.738	ug/l	92
26) 2,2-Dichloropropane	3.60	77	98602	50.227	ug/l	99
27) cis-1,2-Dichloroethene	3.47	96	179094	53.498	ug/l	98
28) Bromochloromethane	3.72	49	96296	50.234	ug/l	93
29) Tetrahydrofuran	4.07	42	97272	242.138	ug/l	98
30) Chloroform	3.86	83	257834	51.330	ug/l	94
31) Cyclohexane	3.69	56	232126	50.396	ug/l	99
32) 1,1,1-Trichloroethane	4.09	97	188280	60.811	ug/l	97
36) 1,1-Dichloropropene	4.28	75	224701	51.756	ug/l	97
37) Ethyl Acetate	4.11	43	86504	47.470	ug/l	99
38) Carbon Tetrachloride	3.98	117	164822	53.629	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	257873	50.287	ug/l	98
40) Benzene	4.63	78	589454	51.942	ug/l	97
41) Methacrylonitrile	4.74	41	48758	48.836	ug/l	96
42) 1,2-Dichloroethane	4.94	62	147056	51.998	ug/l	94
43) Isopropyl Acetate	6.96	43	109701	48.837	ug/l #	98
44) Trichloroethene	5.50	130	183606	52.062	ug/l	94
45) 1,2-Dichloropropane	6.23	63	140724	52.148	ug/l	95
46) Dibromomethane	6.08	93	89364	52.618	ug/l	96
47) Bromodichloromethane	6.38	83	198562	52.920	ug/l	95
48) Methyl methacrylate	6.72	41	66534	46.802	ug/l #	89
49) 1,4-Dioxane	6.71	88	11814	909.077	ug/l #	93
51) 4-Methyl-2-Pentanone	8.25	43	381252	245.576	ug/l	98
52) Toluene	7.62	92	335133	49.920	ug/l	100
53) t-1,3-Dichloropropene	8.27	75	160123	51.700	ug/l	96
54) cis-1,3-Dichloropropene	7.30	75	215428	50.428	ug/l	99
55) 1,1,2-Trichloroethane	8.49	97	101163	52.300	ug/l	96
56) Ethyl methacrylate	8.62	69	105697	48.486	ug/l	97
57) 1,3-Dichloropropane	8.86	76	165565	52.339	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.30	63	89467	259.441	ug/l	99
59) 2-Hexanone	9.49	43	247887	221.331	ug/l	99
60) Dibromochloromethane	8.72	129	148777	53.966	ug/l	95
61) 1,2-Dibromoethane	8.98	107	113204	53.220	ug/l	100
64) Tetrachloroethene	8.16	164	169444	55.601	ug/l	99
65) Chlorobenzene	9.79	112	396839	52.081	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	153755	52.081	ug/l	99
67) Ethyl Benzene	9.90	91	682618	54.050	ug/l	100
68) m/p-Xylenes	10.13	106	489920	101.262	ug/l	96
69) o-Xylene	10.71	106	270499	51.922	ug/l	99
70) Styrene	10.79	104	363247	49.544	ug/l	99
71) Bromoform	10.77	173	77987	49.982	ug/l	98
73) Isopropylbenzene	11.12	105	782551	53.150	ug/l	100
74) N-amyl acetate	11.37	43	168657	49.757	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.70	83	120970	49.434	ug/l	99
76) 1,2,3-Trichloropropane	11.79	75	86337	51.694	ug/l	98
77) Bromobenzene	11.49	156	184036	51.937	ug/l	96
78) n-propylbenzene	11.59	91	840389	50.543	ug/l	99
79) 2-Chlorotoluene	11.72	91	477184	50.198	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	591411	50.030	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	35321m	46.249	ug/l	
82) 4-Chlorotoluene	11.89	91	485486	49.931	ug/l	98
83) tert-Butylbenzene	12.13	119	660614	52.629	ug/l	92
84) 1,2,4-Trimethylbenzene	12.20	105	602036	51.952	ug/l	98
85) sec-Butylbenzene	12.31	105	861845	52.762	ug/l	94
86) p-Isopropyltoluene	12.45	119	716502	51.603	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	336525	50.016	ug/l	99
88) 1,4-Dichlorobenzene	12.56	146	347699	53.571	ug/l	99
89) n-Butylbenzene	12.84	91	672746	50.699	ug/l	99
90) Hexachloroethane	12.92	117	175291	52.450	ug/l	74
91) 1,2-Dichlorobenzene	12.94	146	321861	50.490	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	20701	48.812	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	225841	50.534	µg/l	99
94) Hexachlorobutadiene	14.19	225	154591	49.967	µg/l	98
95) Naphthalene	14.46	128	417599	52.463	µg/l	100
96) 1,2,3-Trichlorobenzene	14.60	180	209362	50.737	µg/l	92

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

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