

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082818\
 Data File : VF060144.D
 Acq On : 28 Aug 2018 12:17
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 8/29/2018 11:03:25 AM

Quant Time: Aug 28 14:59:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	158872	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	243294	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	252116	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	159440	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	116342	53.51	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	107.02%	
35) Dibromofluoromethane	4.28	113	103434	54.14	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	108.28%	
50) Toluene-d8	7.70	98	263468	48.56	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	97.12%	
62) 4-Bromofluorobenzene	11.51	95	148861	51.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	112523	53.80	ug/l	98
3) Chloromethane	1.07	50	74633	55.37	ug/l	99
4) Vinyl Chloride	1.12	62	61717	47.52	ug/l	91
5) Bromomethane	1.31	94	45110	45.71	ug/l	91
6) Chloroethane	1.39	64	30779	60.13	ug/l	99
7) Trichlorofluoromethane	1.48	101	181901	69.65	ug/l	99
8) Diethyl Ether	1.70	74	22047	47.22	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.86	101	77534	56.56	ug/l	93
10) Methyl Iodide	1.93	142	61745	34.07	ug/l	87
11) Tert butyl alcohol	2.66	59	35149	303.86	ug/l #	83
12) 1,1-Dichloroethene	1.83	96	51784	51.27	ug/l	80
13) Acrolein	2.08	56	17726	250.74	ug/l #	80
14) Allyl chloride	2.18	41	91500	51.01	ug/l	87
15) Acrylonitrile	3.07	53	64370	281.99	ug/l	95
16) Acetone	2.33	43	152549	266.94	ug/l #	91
17) Carbon Disulfide	1.84	76	133669	42.27	ug/l	100
18) Methyl Acetate	2.45	43	46712	47.66	ug/l #	91
19) Methyl tert-butyl Ether	2.53	73	165667	51.20	ug/l	98
20) Methylene Chloride	2.28	84	58083	51.79	ug/l	99
21) trans-1,2-Dichloroethene	2.41	96	53414	47.27	ug/l	93
22) Diisopropyl ether	2.91	45	219238	54.59	ug/l	98
23) Vinyl Acetate	3.32	43	540854	254.19	ug/l	99
24) 1,1-Dichloroethane	3.00	63	168016	67.72	ug/l	99
25) 2-Butanone	4.49	43	177281	238.83	ug/l	93
26) 2,2-Dichloropropane	3.76	77	171103	66.65	ug/l	88
27) cis-1,2-Dichloroethene	3.63	96	82830	51.73	ug/l	99
28) Bromochloromethane	3.89	49	47444	45.29	ug/l	90
29) Tetrahydrofuran	4.23	42	63071	225.05	ug/l	97
30) Chloroform	4.02	83	204702	58.78	ug/l	97
31) Cyclohexane	3.86	56	89545	47.36	ug/l	97
32) 1,1,1-Trichloroethane	4.27	97	187390	62.83	ug/l	99
36) 1,1-Dichloropropene	4.45	75	119280	52.17	ug/l	94
37) Ethyl Acetate	4.28	43	60613	44.33	ug/l #	81
38) Carbon Tetrachloride	4.16	117	164700	62.21	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.61	83	99490	46.41	ug/l #	84
40) Benzene	4.80	78	241680	48.39	ug/l	100
41) Methacrylonitrile	4.90	41	33229	48.05	ug/l #	87
42) 1,2-Dichloroethane	5.11	62	152498	56.94	ug/l	97
43) Isopropyl Acetate	7.10	43	80771	46.93	ug/l	95
44) Trichloroethene	5.66	130	87141	52.78	ug/l	99
45) 1,2-Dichloropropane	6.39	63	72915	51.61	ug/l	96
46) Dibromomethane	6.24	93	60909	55.10	ug/l	97
47) Bromodichloromethane	6.54	83	159919	59.89	ug/l	96
48) Methyl methacrylate	6.86	41	52067	45.72	ug/l	94
49) 1,4-Dioxane	6.84	88	10176	930.82	ug/l	98
51) 4-Methyl-2-Pentanone	8.39	43	370423	249.25	ug/l	98
52) Toluene	7.77	92	184177	58.12	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	132716	54.81	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	142882	52.87	ug/l	96
55) 1,1,2-Trichloroethane	8.63	97	70255	52.13	ug/l	98
56) Ethyl methacrylate	8.76	69	84384	51.73	ug/l	91
57) 1,3-Dichloropropane	8.99	76	124014	52.36	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.77	63	37062	286.24	ug/l	100
59) 2-Hexanone	9.62	43	309337	257.17	ug/l	99
60) Dibromochloromethane	8.85	129	111094	55.84	ug/l	94
61) 1,2-Dibromoethane	9.13	107	78968	49.90	ug/l	96
64) Tetrachloroethene	8.30	164	89329	52.60	ug/l	99
65) Chlorobenzene	9.94	112	253431	53.23	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	98195	54.38	ug/l	97
67) Ethyl Benzene	10.04	91	460972	56.12	ug/l	99
68) m/p-Xylenes	10.26	106	320148	121.52	ug/l	97
69) o-Xylene	10.83	106	179371	55.73	ug/l	99
70) Styrene	10.90	104	270143	54.71	ug/l	95
71) Bromoform	10.89	173	69847	55.44	ug/l	99
73) Isopropylbenzene	11.22	105	543901	56.67	ug/l	97
74) N-amyl acetate	11.46	43	150332	50.39	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	99872	47.65	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	77433	47.64	ug/l	98
77) Bromobenzene	11.60	156	134167	51.40	ug/l	99
78) n-propylbenzene	11.68	91	638433	53.90	ug/l	99
79) 2-Chlorotoluene	11.81	91	375958	53.98	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	448488	53.64	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	34728m	46.70	ug/l	
82) 4-Chlorotoluene	11.99	91	417693	55.23	ug/l	98
83) tert-Butylbenzene	12.22	119	455031	55.80	ug/l	95
84) 1,2,4-Trimethylbenzene	12.29	105	463919	52.19	ug/l	97
85) sec-Butylbenzene	12.38	105	604286	53.23	ug/l	98
86) p-Isopropyltoluene	12.54	119	523494	55.58	ug/l	95
87) 1,3-Dichlorobenzene	12.55	146	246144	51.00	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	254778	53.12	ug/l	97
89) n-Butylbenzene	12.92	91	524588	57.33	ug/l	98
90) Hexachloroethane	12.99	117	114453	54.07	ug/l	98
91) 1,2-Dichlorobenzene	13.01	146	239517	51.61	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	23252	54.29	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	184895	54.10	ug/l	97
94) Hexachlorobutadiene	14.26	225	118648	55.78	ug/l	99
95) Naphthalene	14.52	128	285085	48.16	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	173691	53.27	ug/l	98

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

