

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF103018\
 Data File : VF060540.D
 Acq On : 30 Oct 2018 11:45
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00/5mL/MSVOA_F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 10/31/2018 10:22:01 AM

Quant Time: Oct 31 05:01:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 30 05:31:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	310023	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	484089	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	410802	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	232953	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	235425	49.23	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	98.46%	
35) Dibromofluoromethane	4.29	113	228831	49.26	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	98.52%	
50) Toluene-d8	7.71	98	578260	50.97	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	101.94%	
62) 4-Bromofluorobenzene	11.51	95	255634	48.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.80%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	0.99	85	245522	46.27	ug/l	95
3) Chloromethane	1.13	50	155002	48.17	ug/l	97
4) Vinyl Chloride	1.18	62	177657	47.80	ug/l	97
5) Bromomethane	1.37	94	153617	52.59	ug/l	95
6) Chloroethane	1.43	64	96420	49.82	ug/l	95
7) Trichlorofluoromethane	1.54	101	444873	49.68	ug/l	97
8) Diethyl Ether	1.70	74	56642	50.43	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.89	101	212042	53.68	ug/l	96
10) Methyl Iodide	1.96	142	343746	50.75	ug/l	97
11) Tert butyl alcohol	2.68	59	53667	284.91	ug/l	98
12) 1,1-Dichloroethene	1.85	96	166339	47.74	ug/l	92
13) Acrolein	2.09	56	46504	267.87	ug/l	99
14) Allyl chloride	2.19	41	288907	52.15	ug/l	90
15) Acrylonitrile	3.06	53	109635	229.28	ug/l	98
16) Acetone	2.34	43	241656	263.26	ug/l	99
17) Carbon Disulfide	1.84	76	511982m	52.29	ug/l	
18) Methyl Acetate	2.44	43	76284	51.87	ug/l	100
19) Methyl tert-butyl Ether	2.53	73	384434	49.25	ug/l	99
20) Methylene Chloride	2.28	84	152608	48.35	ug/l	93
21) trans-1,2-Dichloroethene	2.41	96	174522	48.98	ug/l	96
22) Diisopropyl ether	2.92	45	529106	52.58	ug/l	97
23) Vinyl Acetate	3.33	43	902444	241.77	ug/l	99
24) 1,1-Dichloroethane	3.00	63	348743	48.03	ug/l	100
25) 2-Butanone	4.50	43	269934	240.11	ug/l	97
26) 2,2-Dichloropropane	3.75	77	219534	48.65	ug/l	95
27) cis-1,2-Dichloroethene	3.63	96	185509	43.17	ug/l	91
28) Bromochloromethane	3.88	49	119253	45.59	ug/l	92
29) Tetrahydrofuran	4.25	42	92818	231.23	ug/l	98
30) Chloroform	4.03	83	426996	46.56	ug/l	99
31) Cyclohexane	3.87	56	238932	46.08	ug/l	93
32) 1,1,1-Trichloroethane	4.28	97	367340	48.45	ug/l	97
36) 1,1-Dichloropropene	4.45	75	279801	46.39	ug/l	95
37) Ethyl Acetate	4.29	43	87722	44.93	ug/l #	93
38) Carbon Tetrachloride	4.17	117	355607m	49.24	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	279237	45.84	ug/l	98
40) Benzene	4.81	78	571313	47.76	ug/l	98
41) Methacrylonitrile	4.92	41	52354	46.91	ug/l	91
42) 1,2-Dichloroethane	5.12	62	263098	47.36	ug/l	93
43) Isopropyl Acetate	7.11	43	114974	48.65	ug/l #	91
44) Trichloroethene	5.67	130	181137	46.84	ug/l	93
45) 1,2-Dichloropropane	6.40	63	145610	48.78	ug/l	92
46) Dibromomethane	6.25	93	116229	49.58	ug/l	92
47) Bromodichloromethane	6.54	83	300822	50.01	ug/l	99
48) Methyl methacrylate	6.87	41	78183	47.96	ug/l	92
49) 1,4-Dioxane	6.86	88	14677	967.81	ug/l	88
51) 4-Methyl-2-Pentanone	8.40	43	414936	242.37	ug/l	93
52) Toluene	7.78	92	368953	47.51	ug/l	98
53) t-1,3-Dichloropropene	8.43	75	221965	47.24	ug/l	95
54) cis-1,3-Dichloropropene	7.45	75	280199	50.32	ug/l	96
55) 1,1,2-Trichloroethane	8.63	97	112827	48.49	ug/l	95
56) Ethyl methacrylate	8.75	69	125200	47.95	ug/l #	81
57) 1,3-Dichloropropane	9.00	76	195934	49.76	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.78	63	71956	267.40	ug/l	100
59) 2-Hexanone	9.63	43	312732	247.86	ug/l	94
60) Dibromochloromethane	8.86	129	183652	48.99	ug/l	100
61) 1,2-Dibromoethane	9.14	107	128548	47.71	ug/l	96
64) Tetrachloroethene	8.30	164	166688	48.00	ug/l	99
65) Chlorobenzene	9.94	112	405719	49.09	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	182099	48.35	ug/l	95
67) Ethyl Benzene	10.03	91	766038	48.51	ug/l	100
68) m/p-Xylenes	10.27	106	518091	96.06	ug/l	99
69) o-Xylene	10.82	106	284846	46.90	ug/l	94
70) Styrene	10.90	104	392266	45.81	ug/l	95
71) Bromoform	10.89	173	92911	47.83	ug/l #	95
73) Isopropylbenzene	11.23	105	886623	49.79	ug/l	100
74) N-amyl acetate	11.46	43	175478	49.21	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	135132	45.48	ug/l	96
76) 1,2,3-Trichloropropane	11.89	75	101446	45.38	ug/l	91
77) Bromobenzene	11.59	156	184960	47.21	ug/l	87
78) n-propylbenzene	11.69	91	1032249	48.87	ug/l	99
79) 2-Chlorotoluene	11.81	91	594026	46.99	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	714419	46.43	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.96	75	45919m	47.03	ug/l	
82) 4-Chlorotoluene	11.99	91	622231	47.47	ug/l	100
83) tert-Butylbenzene	12.21	119	746552	50.07	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	741936	47.47	ug/l	98
85) sec-Butylbenzene	12.39	105	981806	46.98	ug/l	99
86) p-Isopropyltoluene	12.54	119	816450	47.60	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	363427	46.47	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	354168	47.98	ug/l	98
89) n-Butylbenzene	12.91	91	844373	53.60	ug/l	96
90) Hexachloroethane	12.99	117	212953	48.11	ug/l	92
91) 1,2-Dichlorobenzene	13.02	146	346440	47.02	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	26378	42.81	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	260187	47.14	ug/l	97
94) Hexachlorobutadiene	14.25	225	185834	47.56	ug/l	95
95) Naphthalene	14.52	128	458929	47.01	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	239328	45.56	ug/l	96

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

