

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092818\
 Data File : VF060368.D
 Acq On : 28 Sep 2018 14:53
 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
 10/1/2018 3:03:45 PM

Quant Time: Sep 29 00:31:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	239713	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	398900	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	355521	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	193243	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	167381	51.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.72%	
35) Dibromofluoromethane	4.28	113	172253	48.44	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	96.88%	
50) Toluene-d8	7.70	98	436048	47.09	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	94.18%	
62) 4-Bromofluorobenzene	11.50	95	194289	48.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.08%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.99	85	181043	50.441	ug/l	95
3) Chloromethane	1.13	50	134347	41.127	ug/l	97
4) Vinyl Chloride	1.17	62	143857	43.211	ug/l	95
5) Bromomethane	1.36	94	109009	59.363	ug/l	97
6) Chloroethane	1.43	64	78114	49.267	ug/l	95
7) Trichlorofluoromethane	1.53	101	341496	55.060	ug/l	99
8) Diethyl Ether	1.69	74	45590	44.181	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	1.89	101	169695	51.446	ug/l	97
10) Methyl Iodide	1.97	142	246481m	46.339	ug/l	
11) Tert butyl alcohol	2.66	59	51143	286.332	ug/l #	85
12) 1,1-Dichloroethene	1.85	96	135625	49.718	ug/l	89
13) Acrolein	2.08	56	13165	217.370	ug/l	83
14) Allyl chloride	2.19	41	216689	45.520	ug/l	91
15) Acrylonitrile	3.06	53	99766	218.844	ug/l	100
16) Acetone	2.33	43	250511	275.583	ug/l	99
17) Carbon Disulfide	1.88	76	329731	47.768	ug/l	99
18) Methyl Acetate	2.44	43	81836m	54.040	ug/l	
19) Methyl tert-butyl Ether	2.53	73	340584	50.082	ug/l	97
20) Methylene Chloride	2.28	84	138803m	57.674	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	131503	46.674	ug/l	98
22) Diisopropyl ether	2.92	45	438590	48.833	ug/l	98
23) Vinyl Acetate	3.32	43	839050	237.860	ug/l	99
24) 1,1-Dichloroethane	3.00	63	286347	49.160	ug/l	99
25) 2-Butanone	4.49	43	307719	251.499	ug/l	99
26) 2,2-Dichloropropane	3.75	77	163720	49.261	ug/l	95
27) cis-1,2-Dichloroethene	3.62	96	173821	46.961	ug/l	95
28) Bromochloromethane	3.87	49	108167	47.697	ug/l	89
29) Tetrahydrofuran	4.23	42	101281	226.042	ug/l	97
30) Chloroform	4.02	83	363661	51.742	ug/l	93
31) Cyclohexane	3.84	56	199690	40.587	ug/l	93
32) 1,1,1-Trichloroethane	4.26	97	290178	52.325	ug/l	98
36) 1,1-Dichloropropene	4.44	75	244233	49.085	ug/l	96
37) Ethyl Acetate	4.27	43	92039	43.716	ug/l #	80
38) Carbon Tetrachloride	4.16	117	272924	51.067	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	242443	44.958	ug/l	95
40) Benzene	4.79	78	530906	47.056	ug/l	98
41) Methacrylonitrile	4.90	41	52834	46.248	ug/l #	90
42) 1,2-Dichloroethane	5.10	62	222174	53.500	ug/l	97
43) Isopropyl Acetate	7.10	43	110871	43.743	ug/l	95
44) Trichloroethene	5.66	130	159625	47.540	ug/l	96
45) 1,2-Dichloropropane	6.39	63	136032	46.587	ug/l	99
46) Dibromomethane	6.24	93	99325	47.588	ug/l	99
47) Bromodichloromethane	6.53	83	260091	51.854	ug/l	94
48) Methyl methacrylate	6.86	41	77725	43.685	ug/l	92
49) 1,4-Dioxane	6.85	88	15223	957.708	ug/l	94
51) 4-Methyl-2-Pentanone	8.39	43	568851	291.196	ug/l	95
52) Toluene	7.77	92	335782	47.044	ug/l	100
53) t-1,3-Dichloropropene	8.41	75	207794	51.360	ug/l	95
54) cis-1,3-Dichloropropene	7.44	75	241837	47.448	ug/l	95
55) 1,1,2-Trichloroethane	8.62	97	107307	49.535	ug/l	99
56) Ethyl methacrylate	8.74	69	131629	50.311	ug/l	96
57) 1,3-Dichloropropane	8.99	76	182115	50.772	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.76	63	59936	259.138	ug/l	100
59) 2-Hexanone	9.62	43	421474	303.022	ug/l	99
60) Dibromochloromethane	8.85	129	163670	50.691	ug/l	94
61) 1,2-Dibromoethane	9.12	107	118968	49.317	ug/l	97
64) Tetrachloroethene	8.29	164	141677	43.960	ug/l	96
65) Chlorobenzene	9.93	112	376383	46.711	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.05	131	165138	49.385	ug/l	95
67) Ethyl Benzene	10.02	91	699652	46.962	ug/l	97
68) m/p-Xylenes	10.25	106	489554	95.111	ug/l	100
69) o-Xylene	10.81	106	287023	49.716	ug/l	98
70) Styrene	10.89	104	406124	49.881	ug/l	98
71) Bromoform	10.88	173	92016	50.105	ug/l #	91
73) Isopropylbenzene	11.22	105	850092	49.002	ug/l	97
74) N-amyl acetate	11.45	43	191718	51.825	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.78	83	151292	49.210	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	105546	47.946	ug/l	91
77) Bromobenzene	11.58	156	176715	47.267	ug/l	91
78) n-propylbenzene	11.68	91	989641	59.466	ug/l	99
79) 2-Chlorotoluene	11.81	91	574506	49.094	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	670407	48.008	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	47337m	40.690	ug/l	
82) 4-Chlorotoluene	11.98	91	559119	47.537	ug/l	97
83) tert-Butylbenzene	12.20	119	697834	49.296	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	677663	47.790	ug/l	97
85) sec-Butylbenzene	12.38	105	956095	59.611	ug/l	99
86) p-Isopropyltoluene	12.53	119	755401	58.743	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	320856	45.927	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	324207	46.951	ug/l	97
89) n-Butylbenzene	12.91	91	822025	57.117	ug/l	98
90) Hexachloroethane	12.99	117	199081	50.258	ug/l	85
91) 1,2-Dichlorobenzene	13.01	146	314140	47.136	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	28015	48.533	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	238700	49.277	ug/l	96
94) Hexachlorobutadiene	14.25	225	170782	52.154	ug/l	98
95) Naphthalene	14.52	128	456480	53.749	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	234690	52.433	ug/l	97

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

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