

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092518\
 Data File : VF060324.D
 Acq On : 25 Sep 2018 13:58
 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
 9/26/2018 11:42:12 AM

Quant Time: Sep 26 02:08:30 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	5.02	168	268023	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	468292	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	407217	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	222798	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	166838	46.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.46%	
35) Dibromofluoromethane	4.27	113	180676	43.28	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	86.56%	
50) Toluene-d8	7.69	98	480611	44.21	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	88.42%	
62) 4-Bromofluorobenzene	11.49	95	211152	44.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.86%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.99	85	209669	52.498	ug/l	96
3) Chloromethane	1.13	50	159374	43.635	ug/l	97
4) Vinyl Chloride	1.17	62	164476	44.186	ug/l	98
5) Bromomethane	1.35	94	118723	57.613	ug/l	97
6) Chloroethane	1.43	64	91694	51.724	ug/l	97
7) Trichlorofluoromethane	1.54	101	367731	53.027	ug/l	95
8) Diethyl Ether	1.70	74	54674	47.388	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	1.89	101	183051	49.633	ug/l	97
10) Methyl Iodide	1.96	142	287579m	48.354	ug/l	
11) Tert butyl alcohol	2.66	59	58567	293.696	ug/l	95
12) 1,1-Dichloroethene	1.85	96	153802	50.426	ug/l	82
13) Acrolein	2.08	56	18503	289.690	ug/l	96
14) Allyl chloride	2.18	41	251357	47.225	ug/l	95
15) Acrylonitrile	3.06	53	136379	267.559	ug/l	96
16) Acetone	2.33	43	275960	271.513	ug/l	98
17) Carbon Disulfide	1.87	76	401305	52.700	ug/l	97
18) Methyl Acetate	2.44	43	85180	50.307	ug/l	99
19) Methyl tert-butyl Ether	2.52	73	378463	49.774	ug/l	100
20) Methylene Chloride	2.27	84	151721m	56.188	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	149377	47.418	ug/l	100
22) Diisopropyl ether	2.91	45	487987	48.594	ug/l	98
23) Vinyl Acetate	3.31	43	919326	233.090	ug/l	100
24) 1,1-Dichloroethane	2.99	63	329628	50.613	ug/l	99
25) 2-Butanone	4.49	43	318607	232.894	ug/l	99
26) 2,2-Dichloropropane	3.74	77	177801	47.847	ug/l	99
27) cis-1,2-Dichloroethene	3.61	96	183123	44.248	ug/l	92
28) Bromochloromethane	3.87	49	115971	45.737	ug/l	91
29) Tetrahydrofuran	4.23	42	105869	211.324	ug/l	99
30) Chloroform	4.01	83	376713	47.938	ug/l	97
31) Cyclohexane	3.85	56	227841	41.417	ug/l	95
32) 1,1,1-Trichloroethane	4.25	97	294328	47.467	ug/l	97
36) 1,1-Dichloropropene	4.44	75	258971	44.335	ug/l	96
37) Ethyl Acetate	4.26	43	96338	38.978	ug/l #	72
38) Carbon Tetrachloride	4.15	117	274744	43.790	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	281051	44.394	ug/l	94
40) Benzene	4.79	78	567621	42.855	ug/l	100
41) Methacrylonitrile	4.89	41	54956	40.977	ug/l	91
42) 1,2-Dichloroethane	5.10	62	233539	47.904	ug/l	100
43) Isopropyl Acetate	7.09	43	126242	42.427	ug/l	96
44) Trichloroethene	5.66	130	184015	46.683	ug/l	97
45) 1,2-Dichloropropane	6.38	63	157928	46.072	ug/l	99
46) Dibromomethane	6.23	93	113856	46.467	ug/l	94
47) Bromodichloromethane	6.53	83	289289	49.129	ug/l	96
48) Methyl methacrylate	6.85	41	91432	43.775	ug/l	96
49) 1,4-Dioxane	6.84	88	17262	925.063	ug/l #	84
51) 4-Methyl-2-Pentanone	8.38	43	621713	271.097	ug/l	99
52) Toluene	7.76	92	379828	45.330	ug/l	98
53) t-1,3-Dichloropropene	8.41	75	221489	46.632	ug/l	99
54) cis-1,3-Dichloropropene	7.44	75	262380	43.850	ug/l	100
55) 1,1,2-Trichloroethane	8.62	97	121660	47.838	ug/l	93
56) Ethyl methacrylate	8.74	69	153139	49.859	ug/l	91
57) 1,3-Dichloropropane	8.98	76	199977	47.490	ug/l	90
58) 2-Chloroethyl Vinyl ether	7.76	63	62342	229.600	ug/l	100
59) 2-Hexanone	9.61	43	452735	277.265	ug/l	100
60) Dibromochloromethane	8.84	129	180672	47.665	ug/l	91
61) 1,2-Dibromoethane	9.12	107	131580	46.462	ug/l	99
64) Tetrachloroethene	8.29	164	164616	44.593	ug/l	95
65) Chlorobenzene	9.93	112	437687	47.423	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	186866	48.788	ug/l	96
67) Ethyl Benzene	10.03	91	800511	46.911	ug/l	97
68) m/p-Xylenes	10.25	106	553882	93.948	ug/l	97
69) o-Xylene	10.81	106	327549	49.533	ug/l	94
70) Styrene	10.88	104	453746	48.656	ug/l	96
71) Bromoform	10.87	173	100855	47.946	ug/l	96
73) Isopropylbenzene	11.22	105	928946	46.445	ug/l	97
74) N-amyl acetate	11.46	43	207956	48.757	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.77	83	171467	48.373	ug/l	94
76) 1,2,3-Trichloropropane	11.87	75	117521	46.304	ug/l	84
77) Bromobenzene	11.58	156	194558	45.136	ug/l	96
78) n-propylbenzene	11.67	91	1102506	57.122	ug/l	98
79) 2-Chlorotoluene	11.80	91	622853	46.165	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	782555	48.605	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	61854m	46.116	ug/l	
82) 4-Chlorotoluene	11.98	91	639145	47.132	ug/l	98
83) tert-Butylbenzene	12.20	119	775943	47.542	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	762974	46.669	ug/l	96
85) sec-Butylbenzene	12.38	105	1073199	57.771	ug/l	99
86) p-Isopropyltoluene	12.53	119	834594	55.899	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	359555	44.639	ug/l	95
88) 1,4-Dichlorobenzene	12.64	146	364441	45.776	ug/l	96
89) n-Butylbenzene	12.90	91	880893	52.279	ug/l	99
90) Hexachloroethane	12.98	117	227891	49.899	ug/l	97
91) 1,2-Dichlorobenzene	13.01	146	362722	47.206	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	31072	46.689	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	258687	46.319	ug/l	98
94) Hexachlorobutadiene	14.25	225	184108	48.765	ug/l	97
95) Naphthalene	14.51	128	506018	51.678	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	259790	50.341	ug/l	100

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

