

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092118\
 Data File : VF060311.D
 Acq On : 21 Sep 2018 12:00
 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
 9/24/2018 12:51:14 PM

Quant Time: Sep 21 14:41:21 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	262791	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	426664	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	407694	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	206956	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	177569	50.18	ug/l	0.00
Spiked Amount						
			Recovery	=	100.36%	
35) Dibromofluoromethane	4.27	113	186596	49.06	ug/l	-0.02
Spiked Amount						
			Recovery	=	98.12%	
50) Toluene-d8	7.69	98	504948	50.98	ug/l	-0.02
Spiked Amount						
			Recovery	=	101.96%	
62) 4-Bromofluorobenzene	11.49	95	217469	50.79	ug/l	0.00
Spiked Amount						
			Recovery	=	101.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	194481	49.285	ug/l	94
3) Chloromethane	1.12	50	155423	43.401	ug/l	100
4) Vinyl Chloride	1.17	62	163065	44.680	ug/l	95
5) Bromomethane	1.34	94	109944	53.962	ug/l	99
6) Chloroethane	1.42	64	83968	48.309	ug/l	94
7) Trichlorofluoromethane	1.53	101	342376	50.354	ug/l	99
8) Diethyl Ether	1.70	74	55346	48.925	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	1.88	101	169883	46.980	ug/l	97
10) Methyl Iodide	1.95	142	279449	47.923	ug/l	99
11) Tert butyl alcohol	2.66	59	58794	301.131	ug/l	98
12) 1,1-Dichloroethene	1.84	96	142177	47.543	ug/l	97
13) Acrolein	2.07	56	18984	305.171	ug/l	81
14) Allyl chloride	2.18	41	260467	49.911	ug/l	98
15) Acrylonitrile	3.06	53	114493	229.094	ug/l	98
16) Acetone	2.33	43	291659	292.673	ug/l	100
17) Carbon Disulfide	1.88	76	390177	52.192	ug/l	97
18) Methyl Acetate	2.44	43	87964	52.986	ug/l	95
19) Methyl tert-butyl Ether	2.52	73	376730	50.532	ug/l	97
20) Methylene Chloride	2.27	84	143853	54.046	ug/l	96
21) trans-1,2-Dichloroethene	2.40	96	148093	47.946	ug/l	98
22) Diisopropyl ether	2.91	45	492323	50.001	ug/l	98
23) Vinyl Acetate	3.31	43	912517	235.970	ug/l	100
24) 1,1-Dichloroethane	2.99	63	309084	48.403	ug/l	99
25) 2-Butanone	4.49	43	356615	265.866	ug/l	94
26) 2,2-Dichloropropane	3.74	77	170945	46.918	ug/l	99
27) cis-1,2-Dichloroethene	3.62	96	187521	46.213	ug/l	90
28) Bromochloromethane	3.87	49	119443	48.044	ug/l	90
29) Tetrahydrofuran	4.23	42	115222	234.572	ug/l	97
30) Chloroform	4.01	83	353981	45.942	ug/l	93
31) Cyclohexane	3.85	56	232616	43.127	ug/l	97
32) 1,1,1-Trichloroethane	4.26	97	302984	49.836	ug/l	99
36) 1,1-Dichloropropene	4.44	75	264533	49.705	ug/l	96
37) Ethyl Acetate	4.26	43	103621	46.015	ug/l	85
38) Carbon Tetrachloride	4.15	117	287512m	50.296	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	278343	48.256	ug/l	96
40) Benzene	4.79	78	581643	48.199	ug/l	99
41) Methacrylonitrile	4.90	41	59310	48.538	ug/l	97
42) 1,2-Dichloroethane	5.10	62	235658	53.054	ug/l	98
43) Isopropyl Acetate	7.09	43	139902	51.606	ug/l #	87
44) Trichloroethene	5.65	130	176519	49.150	ug/l	100
45) 1,2-Dichloropropane	6.38	63	158231	50.664	ug/l	99
46) Dibromomethane	6.23	93	112552	50.416	ug/l	85
47) Bromodichloromethane	6.53	83	272004	50.701	ug/l	99
48) Methyl methacrylate	6.85	41	99002	52.023	ug/l	95
49) 1,4-Dioxane	6.84	88	17683	1040.080	ug/l	95
51) 4-Methyl-2-Pentanone	8.39	43	645296	308.834	ug/l	98
52) Toluene	7.76	92	376775	49.353	ug/l	97
53) t-1,3-Dichloropropene	8.41	75	217321	50.219	ug/l	98
54) cis-1,3-Dichloropropene	7.43	75	281859	51.702	ug/l	98
55) 1,1,2-Trichloroethane	8.62	97	116358	50.217	ug/l	95
56) Ethyl methacrylate	8.74	69	154099	55.067	ug/l	96
57) 1,3-Dichloropropane	8.98	76	205889	53.665	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.76	63	63726	257.595	ug/l	100
59) 2-Hexanone	9.61	43	484758	325.841	ug/l	96
60) Dibromochloromethane	8.84	129	177987	51.538	ug/l	98
61) 1,2-Dibromoethane	9.12	107	135193	52.396	ug/l	98
64) Tetrachloroethene	8.29	164	156741	42.410	ug/l	97
65) Chlorobenzene	9.92	112	429379	46.469	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	177586	46.311	ug/l	97
67) Ethyl Benzene	10.03	91	766040	44.838	ug/l	98
68) m/p-Xylenes	10.25	106	534344	90.528	ug/l	95
69) o-Xylene	10.81	106	302535	45.697	ug/l	100
70) Styrene	10.88	104	438823	47.000	ug/l	96
71) Bromoform	10.87	173	101145	48.027	ug/l #	92
73) Isopropylbenzene	11.22	105	860592	46.321	ug/l	98
74) N-amyl acetate	11.46	43	226440	57.155	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.77	83	163861	49.766	ug/l	95
76) 1,2,3-Trichloropropane	11.87	75	116575	49.447	ug/l	84
77) Bromobenzene	11.58	156	179730	44.888	ug/l	98
78) n-propylbenzene	11.67	91	1041595	58.268	ug/l	99
79) 2-Chlorotoluene	11.80	91	600260	47.896	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	695283	46.490	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	61916m	49.696	ug/l	
82) 4-Chlorotoluene	11.98	91	601032	47.714	ug/l	99
83) tert-Butylbenzene	12.20	119	738400	48.705	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	725150	47.750	ug/l	98
85) sec-Butylbenzene	12.37	105	972064	56.082	ug/l	95
86) p-Isopropyltoluene	12.53	119	815511	59.291	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	361805	48.356	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	348298	47.097	ug/l	99
89) n-Butylbenzene	12.90	91	858756	55.424	ug/l	99
90) Hexachloroethane	12.98	117	206577	48.694	ug/l	99
91) 1,2-Dichlorobenzene	13.01	146	337536	47.291	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	29693	48.032	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	244623	47.154	ug/l	95
94) Hexachlorobutadiene	14.24	225	164237	46.832	ug/l	98
95) Naphthalene	14.51	128	468913	51.555	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	238398	49.732	ug/l	98

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

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