

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082318\
 Data File : VF060072.D
 Acq On : 24 Aug 2018 1:26
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/24/2018 4:08:53 PM

Quant Time: Aug 24 01:47:45 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	5.05	168	164112	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	261827	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	282335	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	172954	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	128818	57.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.70%	
35) Dibromofluoromethane	4.29	113	116842	56.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.66%	
50) Toluene-d8	7.71	98	310723	53.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.42%	
62) 4-Bromofluorobenzene	11.52	95	175364	56.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	104221	48.24	ug/l	97
3) Chloromethane	1.07	50	71313	50.92	ug/l	99
4) Vinyl Chloride	1.12	62	59288	44.20	ug/l	90
5) Bromomethane	1.31	94	42971	42.15	ug/l	98
6) Chloroethane	1.39	64	29279	55.37	ug/l	97
7) Trichlorofluoromethane	1.48	101	164822	61.10	ug/l	94
8) Diethyl Ether	1.70	74	23166	48.03	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.87	101	76343	53.91	ug/l	98
10) Methyl Iodide	1.92	142	83607	44.66	ug/l	94
11) Tert butyl alcohol	2.67	59	29414	246.16	ug/l #	82
12) 1,1-Dichloroethene	1.83	96	53897	51.66	ug/l	94
13) Acrolein	2.09	56	20861	282.00	ug/l #	79
14) Allyl chloride	2.19	41	85030	45.89	ug/l	90
15) Acrylonitrile	3.07	53	51481	218.32	ug/l	98
16) Acetone	2.34	43	123006	208.37	ug/l	98
17) Carbon Disulfide	1.84	76	141419	43.30	ug/l	96
18) Methyl Acetate	2.45	43	49994	49.54	ug/l	99
19) Methyl tert-butyl Ether	2.54	73	166725	49.88	ug/l	96
20) Methylene Chloride	2.28	84	55756	47.73	ug/l	96
21) trans-1,2-Dichloroethene	2.42	96	51998	44.55	ug/l	99
22) Diisopropyl ether	2.92	45	187859	45.28	ug/l	96
23) Vinyl Acetate	3.33	43	583665	265.56	ug/l	100
24) 1,1-Dichloroethane	3.00	63	126434	49.33	ug/l	99
25) 2-Butanone	4.51	43	184722	240.91	ug/l	95
26) 2,2-Dichloropropane	3.76	77	121900	45.97	ug/l	90
27) cis-1,2-Dichloroethene	3.64	96	82317	49.76	ug/l	97
28) Bromochloromethane	3.90	49	60295	55.72	ug/l	85
29) Tetrahydrofuran	4.25	42	72166	249.28	ug/l	98
30) Chloroform	4.03	83	197675	54.95	ug/l	99
31) Cyclohexane	3.86	56	95814	49.06	ug/l	94
32) 1,1,1-Trichloroethane	4.27	97	172409	55.96	ug/l	98
36) 1,1-Dichloropropene	4.46	75	115810	47.07	ug/l	97
37) Ethyl Acetate	4.29	43	71226	48.40	ug/l	88
38) Carbon Tetrachloride	4.17	117	148055	51.96	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	104245	45.19	ug/l	88
40) Benzene	4.81	78	260555	48.48	ug/l	99
41) Methacrylonitrile	4.92	41	34828	46.79	ug/l	95
42) 1,2-Dichloroethane	5.12	62	145837	50.60	ug/l	100
43) Isopropyl Acetate	7.11	43	88314	47.68	ug/l	100
44) Trichloroethene	5.68	130	89274	50.24	ug/l	99
45) 1,2-Dichloropropane	6.40	63	78610	51.70	ug/l #	88
46) Dibromomethane	6.25	93	62334	52.40	ug/l	95
47) Bromodichloromethane	6.55	83	154650	53.82	ug/l	95
48) Methyl methacrylate	6.87	41	58343	47.61	ug/l	93
49) 1,4-Dioxane	6.86	88	12408	1054.65	ug/l	87
51) 4-Methyl-2-Pentanone	8.40	43	437545	273.57	ug/l	99
52) Toluene	7.78	92	203568	59.84	ug/l	94
53) t-1,3-Dichloropropene	8.43	75	131086	50.31	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	147809	50.82	ug/l	99
55) 1,1,2-Trichloroethane	8.64	97	83271	57.42	ug/l	97
56) Ethyl methacrylate	8.77	69	93966	53.53	ug/l	90
57) 1,3-Dichloropropane	9.00	76	135794	53.27	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	36571	262.46	ug/l	100
59) 2-Hexanone	9.63	43	342461	264.56	ug/l	96
60) Dibromochloromethane	8.86	129	112580	52.59	ug/l	99
61) 1,2-Dibromoethane	9.14	107	90517	53.14	ug/l	99
64) Tetrachloroethene	8.30	164	91405	48.06	ug/l	98
65) Chlorobenzene	9.94	112	263424	49.41	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	101503	50.20	ug/l	95
67) Ethyl Benzene	10.04	91	463690	50.41	ug/l	99
68) m/p-Xylenes	10.27	106	333544	112.31	ug/l	100
69) o-Xylene	10.83	106	181456	50.35	ug/l	94
70) Styrene	10.90	104	294276	53.22	ug/l	98
71) Bromoform	10.89	173	77064	54.62	ug/l	92
73) Isopropylbenzene	11.23	105	535376	51.43	ug/l	100
74) N-amyl acetate	11.47	43	169556	52.40	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.79	83	125134	55.04	ug/l	95
76) 1,2,3-Trichloropropane	11.89	75	92235	52.31	ug/l	100
77) Bromobenzene	11.59	156	134506	47.51	ug/l	92
78) n-propylbenzene	11.69	91	663263	51.62	ug/l	99
79) 2-Chlorotoluene	11.81	91	384217	50.85	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	446376	49.21	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.96	75	38479m	47.70	ug/l	
82) 4-Chlorotoluene	11.99	91	419830	51.18	ug/l	97
83) tert-Butylbenzene	12.22	119	443689	50.15	ug/l	93
84) 1,2,4-Trimethylbenzene	12.29	105	484200	50.21	ug/l	98
85) sec-Butylbenzene	12.39	105	611460	49.65	ug/l	98
86) p-Isopropyltoluene	12.54	119	505889	49.51	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	263500	50.33	ug/l	95
88) 1,4-Dichlorobenzene	12.65	146	267894	51.49	ug/l	96
89) n-Butylbenzene	12.93	91	541700	54.57	ug/l	99
90) Hexachloroethane	12.99	117	121435	52.89	ug/l	81
91) 1,2-Dichlorobenzene	13.02	146	257703	51.19	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	25659	55.23	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	189207	51.03	ug/l	96
94) Hexachlorobutadiene	14.26	225	116196	50.36	ug/l	97
95) Naphthalene	14.52	128	319124	49.63	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	188780	53.37	ug/l	97

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

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