

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082218\
 Data File : VF060032.D
 Acq On : 22 Aug 2018 11:16
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 8/23/2018 10:18:35 AM

Quant Time: Aug 23 04:28:51 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	5.06	168	234368	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	365924	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	366172	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.65	152	213977	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	151176	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	
35) Dibromofluoromethane	4.31	113	143560	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
50) Toluene-d8	7.73	98	390545	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	
62) 4-Bromofluorobenzene	11.53	95	201034	46.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	136434	44.22	ug/l	98
3) Chloromethane	1.08	50	100172	50.02	ug/l	98
4) Vinyl Chloride	1.13	62	92628	48.35	ug/l	98
5) Bromomethane	1.32	94	70777	48.62	ug/l	98
6) Chloroethane	1.39	64	40392	53.49	ug/l	99
7) Trichlorofluoromethane	1.49	101	203168	52.74	ug/l	96
8) Diethyl Ether	1.71	74	35994	52.26	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.87	101	101972	50.43	ug/l	99
10) Methyl Iodide	1.93	142	139602	52.22	ug/l	100
11) Tert butyl alcohol	2.68	59	43001	251.99	ug/l #	92
12) 1,1-Dichloroethene	1.84	96	75306	50.55	ug/l	95
13) Acrolein	2.09	56	29429	278.89	ug/l	86
14) Allyl chloride	2.20	41	139243	52.62	ug/l	95
15) Acrylonitrile	3.09	53	86044	255.51	ug/l	97
16) Acetone	2.34	43	247054	293.06	ug/l	95
17) Carbon Disulfide	1.85	76	220240	47.21	ug/l	99
18) Methyl Acetate	2.46	43	70550	48.90	ug/l	96
19) Methyl tert-butyl Ether	2.55	73	235244	49.28	ug/l	99
20) Methylene Chloride	2.29	84	84144	50.76	ug/l	97
21) trans-1,2-Dichloroethene	2.42	96	76017	45.60	ug/l	95
22) Diisopropyl ether	2.93	45	294338	49.68	ug/l	98
23) Vinyl Acetate	3.34	43	749111	238.66	ug/l	96
24) 1,1-Dichloroethane	3.01	63	180127	49.21	ug/l	98
25) 2-Butanone	4.53	43	294754	269.17	ug/l	98
26) 2,2-Dichloropropane	3.78	77	204211	53.93	ug/l	99
27) cis-1,2-Dichloroethene	3.65	96	117493	49.74	ug/l	97
28) Bromochloromethane	3.91	49	71011	45.95	ug/l	93
29) Tetrahydrofuran	4.27	42	121692	294.34	ug/l	98
30) Chloroform	4.05	83	250501	48.76	ug/l	94
31) Cyclohexane	3.88	56	140880	50.51	ug/l	96
32) 1,1,1-Trichloroethane	4.29	97	221464	50.34	ug/l	92
36) 1,1-Dichloropropene	4.48	75	166953	48.55	ug/l	99
37) Ethyl Acetate	4.30	43	109440	53.22	ug/l #	94
38) Carbon Tetrachloride	4.19	117	192287	48.29	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	160029	49.63	ug/l	91
40) Benzene	4.82	78	370723	49.35	ug/l	98
41) Methacrylonitrile	4.93	41	48082	46.22	ug/l	92
42) 1,2-Dichloroethane	5.14	62	182354	45.27	ug/l	98
43) Isopropyl Acetate	7.13	43	133486	51.57	ug/l #	100
44) Trichloroethene	5.69	130	117754	47.42	ug/l	95
45) 1,2-Dichloropropane	6.42	63	112546	52.97	ug/l	95
46) Dibromomethane	6.27	93	83731	50.36	ug/l	97
47) Bromodichloromethane	6.57	83	199825	49.76	ug/l	95
48) Methyl methacrylate	6.89	41	84775	49.49	ug/l	93
49) 1,4-Dioxane	6.88	88	17694	1076.11	ug/l	92
51) 4-Methyl-2-Pentanone	8.42	43	561030	250.99	ug/l	100
52) Toluene	7.80	92	258919	53.97	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	180686	49.61	ug/l	96
54) cis-1,3-Dichloropropene	7.47	75	209812	51.62	ug/l	95
55) 1,1,2-Trichloroethane	8.66	97	102676	50.66	ug/l	98
56) Ethyl methacrylate	8.78	69	126545	51.58	ug/l	96
57) 1,3-Dichloropropane	9.02	76	180760	50.74	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.80	63	46067	236.56	ug/l	100
59) 2-Hexanone	9.64	43	483089	267.03	ug/l	99
60) Dibromochloromethane	8.88	129	151369	50.59	ug/l	98
61) 1,2-Dibromoethane	9.15	107	119364	50.14	ug/l	98
64) Tetrachloroethene	8.32	164	117550	47.65	ug/l	98
65) Chlorobenzene	9.96	112	340694	49.27	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.09	131	132863	50.66	ug/l	96
67) Ethyl Benzene	10.06	91	602984	50.54	ug/l	99
68) m/p-Xylenes	10.28	106	435864	113.24	ug/l	99
69) o-Xylene	10.85	106	237415	50.79	ug/l	92
70) Styrene	10.91	104	356317	49.69	ug/l	97
71) Bromoform	10.90	173	94761	51.79	ug/l	100
73) Isopropylbenzene	11.24	105	690488	53.61	ug/l	99
74) N-amyl acetate	11.48	43	221457	55.32	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.80	83	151853	53.98	ug/l	96
76) 1,2,3-Trichloropropane	11.90	75	112414	51.53	ug/l	96
77) Bromobenzene	11.61	156	178875	51.07	ug/l	100
78) n-propylbenzene	11.70	91	820550	51.62	ug/l	97
79) 2-Chlorotoluene	11.83	91	479332	51.28	ug/l	96
80) 1,3,5-Trimethylbenzene	11.93	105	574336	51.18	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.97	75	52580m	52.68	ug/l	
82) 4-Chlorotoluene	12.01	91	517283	50.97	ug/l	99
83) tert-Butylbenzene	12.23	119	580270	53.02	ug/l	94
84) 1,2,4-Trimethylbenzene	12.30	105	590933	49.53	ug/l	99
85) sec-Butylbenzene	12.40	105	767242	50.36	ug/l	100
86) p-Isopropyltoluene	12.55	119	655700	51.87	ug/l	97
87) 1,3-Dichlorobenzene	12.57	146	324312	50.07	ug/l	98
88) 1,4-Dichlorobenzene	12.66	146	322939	50.17	ug/l	97
89) n-Butylbenzene	12.94	91	672510	54.76	ug/l	97
90) Hexachloroethane	13.00	117	150289	52.91	ug/l	75
91) 1,2-Dichlorobenzene	13.03	146	321098	51.55	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	31825	55.36	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.29	180	241952	52.75	ug/l	93
94) Hexachlorobutadiene	14.27	225	152025	53.25	ug/l	98
95) Naphthalene	14.54	128	383840	48.31	ug/l	98
96) 1,2,3-Trichlorobenzene	14.69	180	235224	53.75	ug/l	99

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

