

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082718\
 Data File : VF060120.D
 Acq On : 27 Aug 2018 11:56
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 8/28/2018 2:04:14 PM

Quant Time: Aug 27 14:36:40 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	5.03	168	179553	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.75	114	264899	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	279075	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	173332	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	129604	52.74	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.48%	
35) Dibromofluoromethane	4.29	113	114096	54.85	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	109.70%	
50) Toluene-d8	7.71	98	283132	47.93	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	95.86%	
62) 4-Bromofluorobenzene	11.51	95	167272	53.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	119517	50.56	ug/l	100
3) Chloromethane	1.07	50	75668	49.26	ug/l	98
4) Vinyl Chloride	1.12	62	64336	43.83	ug/l	94
5) Bromomethane	1.32	94	47479	42.57	ug/l	99
6) Chloroethane	1.39	64	30129	52.08	ug/l	93
7) Trichlorofluoromethane	1.49	101	187521	63.54	ug/l	93
8) Diethyl Ether	1.70	74	23910	45.31	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.86	101	81610	52.68	ug/l	95
10) Methyl Iodide	1.93	142	82456m	40.26	ug/l	
11) Tert butyl alcohol	2.67	59	31289	239.34	ug/l #	89
12) 1,1-Dichloroethene	1.83	96	56000	49.06	ug/l	98
13) Acrolein	2.08	56	19224	241.67	ug/l	84
14) Allyl chloride	2.19	41	100188	49.42	ug/l	90
15) Acrylonitrile	3.06	53	73556	285.11	ug/l	97
16) Acetone	2.33	43	182099	281.95	ug/l	93
17) Carbon Disulfide	1.84	76	147334	41.23	ug/l	100
18) Methyl Acetate	2.44	43	49240	44.15	ug/l	99
19) Methyl tert-butyl Ether	2.53	73	184457	50.44	ug/l	100
20) Methylene Chloride	2.27	84	59546	46.45	ug/l	94
21) trans-1,2-Dichloroethene	2.41	96	54005	42.29	ug/l	98
22) Diisopropyl ether	2.92	45	193370	42.60	ug/l	99
23) Vinyl Acetate	3.32	43	634145	263.71	ug/l	100
24) 1,1-Dichloroethane	2.99	63	145453	51.87	ug/l	97
25) 2-Butanone	4.49	43	210520	250.94	ug/l	95
26) 2,2-Dichloropropane	3.75	77	174860	60.27	ug/l	93
27) cis-1,2-Dichloroethene	3.63	96	88405	48.85	ug/l	99
28) Bromochloromethane	3.89	49	48807m	41.23	ug/l	
29) Tetrahydrofuran	4.24	42	73823	233.07	ug/l	99
30) Chloroform	4.03	83	209850	53.31	ug/l	99
31) Cyclohexane	3.85	56	93480	43.75	ug/l	89
32) 1,1,1-Trichloroethane	4.27	97	191820	56.91	ug/l	98
36) 1,1-Dichloropropene	4.45	75	124368	49.96	ug/l	98
37) Ethyl Acetate	4.28	43	71051	47.72	ug/l #	73
38) Carbon Tetrachloride	4.17	117	170107	59.01	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	111365	47.71	ug/l #	80
40) Benzene	4.80	78	248926	45.78	ug/l	98
41) Methacrylonitrile	4.91	41	37892	50.32	ug/l	93
42) 1,2-Dichloroethane	5.11	62	159754	54.79	ug/l	99
43) Isopropyl Acetate	7.10	43	92914	49.59	ug/l #	96
44) Trichloroethene	5.67	130	91637	50.97	ug/l	98
45) 1,2-Dichloropropane	6.40	63	76598	49.80	ug/l	93
46) Dibromomethane	6.25	93	64585	53.66	ug/l	96
47) Bromodichloromethane	6.54	83	163270	56.16	ug/l	100
48) Methyl methacrylate	6.87	41	58296	47.02	ug/l	92
49) 1,4-Dioxane	6.85	88	13863	1164.65	ug/l #	83
51) 4-Methyl-2-Pentanone	8.40	43	406106	250.97	ug/l	98
52) Toluene	7.78	92	199027	57.65	ug/l	98
53) t-1,3-Dichloropropene	8.43	75	143380	54.39	ug/l	93
54) cis-1,3-Dichloropropene	7.45	75	156982	53.35	ug/l	95
55) 1,1,2-Trichloroethane	8.63	97	77139	52.57	ug/l	98
56) Ethyl methacrylate	8.75	69	94311	53.10	ug/l	97
57) 1,3-Dichloropropane	9.00	76	133257	51.67	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.78	63	37866	268.60	ug/l	100
59) 2-Hexanone	9.62	43	345454	263.78	ug/l	96
60) Dibromochloromethane	8.86	129	119114	54.99	ug/l	98
61) 1,2-Dibromoethane	9.13	107	89195	51.76	ug/l	94
64) Tetrachloroethene	8.30	164	88939	47.31	ug/l	97
65) Chlorobenzene	9.93	112	267803	50.82	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	107275	53.67	ug/l	95
67) Ethyl Benzene	10.03	91	477097	52.47	ug/l	98
68) m/p-Xylenes	10.27	106	334586	114.13	ug/l	98
69) o-Xylene	10.82	106	190588	53.50	ug/l	95
70) Styrene	10.90	104	287781	52.65	ug/l	97
71) Bromoform	10.89	173	76825	55.09	ug/l	94
73) Isopropylbenzene	11.23	105	535856	51.36	ug/l	99
74) N-amyl acetate	11.46	43	164096	50.60	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.79	83	113901	49.99	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	87026	49.25	ug/l	99
77) Bromobenzene	11.59	156	143185	50.46	ug/l	91
78) n-propylbenzene	11.69	91	652619	50.68	ug/l	98
79) 2-Chlorotoluene	11.81	91	383259	50.61	ug/l	98
80) 1,3,5-Trimethylbenzene	11.92	105	461194	50.74	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	42627m	52.72	ug/l	
82) 4-Chlorotoluene	11.98	91	433640	52.75	ug/l	95
83) tert-Butylbenzene	12.21	119	474503	53.52	ug/l	92
84) 1,2,4-Trimethylbenzene	12.29	105	482028	49.88	ug/l	98
85) sec-Butylbenzene	12.39	105	638408	51.72	ug/l	96
86) p-Isopropyltoluene	12.54	119	538343	52.57	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	265758	50.66	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	266508	51.11	ug/l	96
89) n-Butylbenzene	12.92	91	550121	55.30	ug/l	99
90) Hexachloroethane	12.99	117	123973	53.88	ug/l	77
91) 1,2-Dichlorobenzene	13.02	146	259305	51.39	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	26058	55.96	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	195578	52.64	ug/l	98
94) Hexachlorobutadiene	14.25	225	129242	55.89	ug/l	95
95) Naphthalene	14.52	128	294661	45.90	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	187948	53.02	ug/l	95

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

