

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF090618\
 Data File : VF060200.D
 Acq On : 6 Sep 2018 13:11
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 9/7/2018 11:53:27 AM

Quant Time: Sep 07 10:43:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 07 10:36:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	146856	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	210677	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	220434	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	139454	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	129721	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
35) Dibromofluoromethane	4.30	113	97637	47.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.60%	
50) Toluene-d8	7.71	98	244065	47.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.76%	
62) 4-Bromofluorobenzene	11.50	95	144318	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	123282	44.04	ug/l	100
3) Chloromethane	1.07	50	65151	44.13	ug/l	100
4) Vinyl Chloride	1.12	62	55106	48.44	ug/l	100
5) Bromomethane	1.32	94	44652	43.81	ug/l	100
6) Chloroethane	1.40	64	34665	47.57	ug/l	100
7) Trichlorofluoromethane	1.49	101	154618	48.73	ug/l	100
8) Diethyl Ether	1.70	74	23094	49.23	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.86	101	74438	47.98	ug/l	100
10) Methyl Iodide	1.93	142	62532	44.74	ug/l	100
11) Tert butyl alcohol	2.70	59	31944	262.00	ug/l	100
12) 1,1-Dichloroethene	1.83	96	48562	46.01	ug/l	100
13) Acrolein	2.09	56	14443	272.51	ug/l	100
14) Allyl chloride	2.20	41	73591	46.49	ug/l	100
15) Acrylonitrile	3.08	53	48568	249.01	ug/l	100
16) Acetone	2.35	43	146757	233.96	ug/l	100
17) Carbon Disulfide	1.84	76	153344	49.84	ug/l	100
18) Methyl Acetate	2.45	43	42245	48.73	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	171441	49.09	ug/l	100
20) Methylene Chloride	2.29	84	62263	49.59	ug/l	100
21) trans-1,2-Dichloroethene	2.41	96	52697	48.79	ug/l	100
22) Diisopropyl ether	2.93	45	195346	49.24	ug/l	100
23) Vinyl Acetate	3.34	43	380492	229.45	ug/l	100
24) 1,1-Dichloroethane	3.01	63	126949	49.19	ug/l	100
25) 2-Butanone	4.51	43	174422	241.89	ug/l	100
26) 2,2-Dichloropropane	3.76	77	181599	50.66	ug/l	100
27) cis-1,2-Dichloroethene	3.64	96	72011	51.08	ug/l	100
28) Bromochloromethane	3.88	49	38406	43.70	ug/l	100
29) Tetrahydrofuran	4.26	42	63478	266.29	ug/l	100
30) Chloroform	4.03	83	185247	49.00	ug/l	100
31) Cyclohexane	3.85	56	87145	49.36	ug/l	100
32) 1,1,1-Trichloroethane	4.27	97	186911	49.63	ug/l	100
36) 1,1-Dichloropropene	4.45	75	122872	49.55	ug/l	100
37) Ethyl Acetate	4.30	43	68932	55.35	ug/l	100
38) Carbon Tetrachloride	4.16	117	169685	49.77	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	103637	49.89	ug/l	100
40) Benzene	4.81	78	203642	46.09	ug/l	100
41) Methacrylonitrile	4.92	41	33863	52.50	ug/l	100
42) 1,2-Dichloroethane	5.12	62	161197	50.49	ug/l	100
43) Isopropyl Acetate	7.11	43	76950	53.35	ug/l	100
44) Trichloroethene	5.67	130	85850	47.98	ug/l	100
45) 1,2-Dichloropropane	6.40	63	59878	47.69	ug/l	100
46) Dibromomethane	6.25	93	56995	51.55	ug/l	100
47) Bromodichloromethane	6.54	83	151930	50.63	ug/l	100
48) Methyl methacrylate	6.87	41	59152	51.63	ug/l	100
49) 1,4-Dioxane	6.88	88	6912	410.58	ug/l	100
51) 4-Methyl-2-Pentanone	8.40	43	320731	250.29	ug/l	100
52) Toluene	7.78	92	161619	47.24	ug/l	100
53) t-1,3-Dichloropropene	8.42	75	135564	53.76	ug/l	100
54) cis-1,3-Dichloropropene	7.45	75	138636	52.96	ug/l	100
55) 1,1,2-Trichloroethane	8.63	97	64291	51.09	ug/l	100
56) Ethyl methacrylate	8.75	69	74972	52.11	ug/l	100
57) 1,3-Dichloropropane	9.00	76	113461	50.71	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.78	63	38532	249.06	ug/l	100
59) 2-Hexanone	9.62	43	237551	247.85	ug/l	100
60) Dibromochloromethane	8.86	129	110127	52.84	ug/l	100
61) 1,2-Dibromoethane	9.13	107	77292	51.21	ug/l	100
64) Tetrachloroethene	8.30	164	115273	51.14	ug/l	100
65) Chlorobenzene	9.94	112	223808	49.05	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	98448	48.68	ug/l	100
67) Ethyl Benzene	10.03	91	405952	47.69	ug/l	100
68) m/p-Xylenes	10.26	106	266343	93.26	ug/l	100
69) o-Xylene	10.82	106	145098	47.63	ug/l	100
70) Styrene	10.90	104	219894	47.62	ug/l	100
71) Bromoform	10.88	173	64353	55.12	ug/l	100
73) Isopropylbenzene	11.23	105	475818	49.46	ug/l	100
74) N-amyl acetate	11.46	43	87647	46.17	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.78	83	75624	52.28	ug/l	100
76) 1,2,3-Trichloropropane	11.88	75	79711	52.00	ug/l	100
77) Bromobenzene	11.59	156	125945	50.00	ug/l	100
78) n-propylbenzene	11.68	91	574718	49.86	ug/l	100
79) 2-Chlorotoluene	11.81	91	340629	48.91	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	428750	50.49	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	18464m	55.53	ug/l	
82) 4-Chlorotoluene	11.99	91	391180	50.62	ug/l	100
83) tert-Butylbenzene	12.21	119	391256	50.56	ug/l	100
84) 1,2,4-Trimethylbenzene	12.28	105	444693	51.55	ug/l	100
85) sec-Butylbenzene	12.38	105	533625	49.99	ug/l	100
86) p-Isopropyltoluene	12.54	119	474710	50.08	ug/l	100
87) 1,3-Dichlorobenzene	12.56	146	218183	47.40	ug/l	100
88) 1,4-Dichlorobenzene	12.65	146	224627	49.31	ug/l	100
89) n-Butylbenzene	12.91	91	486251	53.04	ug/l	100
90) Hexachloroethane	12.99	117	101345	52.74	ug/l	100
91) 1,2-Dichlorobenzene	13.01	146	216828	49.61	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.71	75	20591	55.78	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	177319	52.50	ug/l	100
94) Hexachlorobutadiene	14.25	225	123547	51.32	ug/l	100
95) Naphthalene	14.52	128	271298	51.37	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	175141	55.24	ug/l	100

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

