

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070718\
 Data File : VF059477.D
 Acq On : 7 Jul 2018 5:44
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.03g/5mL/MSVOA-F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICSVF070718

Manual Integrations
 APPROVED

apatel
 7/9/2018 9:34:52 AM

Quant Time: Jul 07 06:41:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 06:35:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.00	168	283711	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.72	114	409004	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.88	117	416353	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	236733	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.98	65	225568	45.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.42%	
35) Dibromofluoromethane	4.26	113	186932	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	
50) Toluene-d8	7.68	98	473053	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
62) 4-Bromofluorobenzene	11.48	95	237804	46.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	174597	43.69	ug/l	97
3) Chloromethane	1.07	50	97275	49.35	ug/l	98
4) Vinyl Chloride	1.14	62	105320	51.16	ug/l	93
5) Bromomethane	1.33	94	73866	46.77	ug/l	99
6) Chloroethane	1.42	64	52673	48.53	ug/l	97
7) Trichlorofluoromethane	1.48	101	205950m	47.12	ug/l	
8) Diethyl Ether	1.68	74	47235	51.54	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.88	101	106863	45.12	ug/l	98
10) Methyl Iodide	1.95	142	211392	47.94	ug/l	92
11) Tert butyl alcohol	2.67	59	51369	228.51	ug/l	98
12) 1,1-Dichloroethene	1.84	96	100714	46.97	ug/l	85
13) Acrolein	2.08	56	34446	197.75	ug/l	95
14) Allyl chloride	2.17	41	184044	49.43	ug/l	# 76
15) Acrylonitrile	3.04	53	109890	267.71	ug/l	99
16) Acetone	2.31	43	162516	220.18	ug/l	96
17) Carbon Disulfide	1.86	76	280992	49.82	ug/l	100
18) Methyl Acetate	2.43	43	73640	42.97	ug/l	95
19) Methyl tert-butyl Ether	2.52	73	311957	44.65	ug/l	99
20) Methylene Chloride	2.29	84	102905m	48.78	ug/l	
21) trans-1,2-Dichloroethene	2.39	96	105962	46.44	ug/l	91
22) Diisopropyl ether	2.89	45	382490	49.59	ug/l	95
23) Vinyl Acetate	3.30	43	1144050	255.49	ug/l	99
24) 1,1-Dichloroethane	2.97	63	242705	47.06	ug/l	99
25) 2-Butanone	4.47	43	261512	260.03	ug/l	100
26) 2,2-Dichloropropane	3.72	77	129887	43.69	ug/l	91
27) cis-1,2-Dichloroethene	3.58	96	176444	62.92	ug/l	88
28) Bromochloromethane	3.85	49	106860	49.92	ug/l	98
29) Tetrahydrofuran	4.22	42	117547	249.35	ug/l	97
30) Chloroform	4.00	83	329282	45.12	ug/l	92
31) Cyclohexane	3.83	56	163600	54.70	ug/l	98
32) 1,1,1-Trichloroethane	4.24	97	250469	44.63	ug/l	99
36) 1,1-Dichloropropene	4.42	75	216514	50.12	ug/l	99
37) Ethyl Acetate	4.26	43	122789	48.44	ug/l	92
38) Carbon Tetrachloride	4.13	117	268028m	43.41	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.59	83	196232	54.08	ug/l	98
40) Benzene	4.77	78	424574	50.15	ug/l	95
41) Methacrylonitrile	4.89	41	62086	53.31	ug/l	93
42) 1,2-Dichloroethane	5.07	62	265998	43.37	ug/l	92
43) Isopropyl Acetate	7.07	43	157508	54.27	ug/l #	95
44) Trichloroethene	5.64	130	148845	47.66	ug/l	93
45) 1,2-Dichloropropane	6.36	63	117882	48.50	ug/l	96
46) Dibromomethane	6.22	93	107641	48.31	ug/l	96
47) Bromodichloromethane	6.51	83	268034	47.27	ug/l	90
48) Methyl methacrylate	6.84	41	107873	52.09	ug/l	92
49) 1,4-Dioxane	6.83	88	12014	1278.23	ug/l	92
51) 4-Methyl-2-Pentanone	8.38	43	520848	240.86	ug/l	98
52) Toluene	7.74	92	298302	47.18	ug/l	98
53) t-1,3-Dichloropropene	8.40	75	215149	43.83	ug/l	97
54) cis-1,3-Dichloropropene	7.42	75	238580	48.69	ug/l	95
55) 1,1,2-Trichloroethane	8.60	97	114571	46.45	ug/l	99
56) Ethyl methacrylate	8.73	69	145714	52.22	ug/l	94
57) 1,3-Dichloropropane	8.97	76	202283	48.01	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.74	63	58841	220.18	ug/l	100
59) 2-Hexanone	9.60	43	422678	262.98	ug/l	97
60) Dibromochloromethane	8.83	129	193785	47.15	ug/l	97
61) 1,2-Dibromoethane	9.09	107	142650	47.06	ug/l	100
64) Tetrachloroethene	8.27	164	175068	50.20	ug/l	97
65) Chlorobenzene	9.90	112	392251	48.35	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.03	131	174516	46.69	ug/l	94
67) Ethyl Benzene	10.00	91	692200	49.07	ug/l	99
68) m/p-Xylenes	10.24	106	491412	98.85	ug/l	94
69) o-Xylene	10.80	106	264334	49.40	ug/l	93
70) Styrene	10.87	104	402886	48.31	ug/l	97
71) Bromoform	10.86	173	121956	47.37	ug/l #	99
73) Isopropylbenzene	11.20	105	772127	53.66	ug/l	98
74) N-amyl acetate	11.44	43	264907	60.31	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.77	83	167802	51.30	ug/l	95
76) 1,2,3-Trichloropropane	11.86	75	133892	50.28	ug/l	95
77) Bromobenzene	11.57	156	201830	50.69	ug/l	98
78) n-propylbenzene	11.67	91	879279	50.89	ug/l	98
79) 2-Chlorotoluene	11.79	91	552324	51.66	ug/l	98
80) 1,3,5-Trimethylbenzene	11.88	105	685945	53.79	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.93	75	70966	51.37	ug/l	90
82) 4-Chlorotoluene	11.96	91	575883	50.83	ug/l	99
83) tert-Butylbenzene	12.19	119	650314	52.44	ug/l	96
84) 1,2,4-Trimethylbenzene	12.27	105	690434	51.49	ug/l	98
85) sec-Butylbenzene	12.37	105	857320	51.22	ug/l	98
86) p-Isopropyltoluene	12.52	119	760061	53.09	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	364391	48.31	ug/l	98
88) 1,4-Dichlorobenzene	12.62	146	362063	49.30	ug/l	99
89) n-Butylbenzene	12.90	91	715517	51.30	ug/l	99
90) Hexachloroethane	12.98	117	183608	49.36	ug/l	98
91) 1,2-Dichlorobenzene	13.00	146	367416	49.12	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	41709	50.93	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	289989	52.19	ug/l	96
94) Hexachlorobutadiene	14.24	225	172650	51.29	ug/l	98
95) Naphthalene	14.51	128	638105	57.79	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	286516	53.16	ug/l	96

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

