

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092518\
 Data File : VF060341.D
 Acq On : 25 Sep 2018 22:50
 Operator : VA/AP
 Sample : J5055-12
 Misc : 5.90/5mL/MSVOA F/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-C

Quant Time: Sep 26 01:48:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	726	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	995	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	222	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.72	152	379	50.00	ug/l	0.09

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	230	23.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	47.06%	
35) Dibromofluoromethane	4.26	113	65	7.33	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	14.66%	
50) Toluene-d8	7.69	98	464	20.09	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	40.18%	
62) 4-Bromofluorobenzene	11.51	95	1772	177.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	354.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	102	3.651	ug/l #	40
3) Chloromethane	1.15	50	102	10.310	ug/l #	1
4) Vinyl Chloride	1.23	62	97	9.620	ug/l #	43
5) Bromomethane	1.30	94	158	24.157	ug/l #	3
6) Chloroethane	1.47	64	66	13.745	ug/l #	42
7) Trichlorofluoromethane	1.69	101	166	8.837	ug/l #	18
8) Diethyl Ether	1.68	74	159	50.876	ug/l	63
9) 1,1,2-Trichlorotrifluoroet	1.92	101	61	6.106	ug/l #	23
10) Methyl Iodide	1.92	142	74	4.594	ug/l #	24
11) Tert butyl alcohol	2.68	59	82	143.155	ug/l #	63
12) 1,1-Dichloroethene	1.85	96	308	37.280	ug/l #	1
13) Acrolein	2.06	56	267	1201.103	ug/l	97
14) Allyl chloride	2.18	41	540	37.455	ug/l #	57
15) Acrylonitrile	3.04	53	246	178.173	ug/l #	39
16) Acetone	2.35	43	628	228.108	ug/l #	59
17) Carbon Disulfide	1.88	76	95	Below Cal	#	70
18) Methyl Acetate	2.49	43	671	146.302	ug/l #	62
19) Methyl tert-butyl Ether	2.53	73	155	7.526	ug/l #	59
21) trans-1,2-Dichloroethene	2.41	96	171	20.040	ug/l #	1
22) Diisopropyl ether	2.91	45	237	8.713	ug/l #	46
23) Vinyl Acetate	3.31	43	1019	95.381	ug/l #	79
24) 1,1-Dichloroethane	3.00	63	235	13.321	ug/l #	89
25) 2-Butanone	4.53	43	262	70.703	ug/l #	56
26) 2,2-Dichloropropane	3.77	77	306	30.400	ug/l #	58
27) cis-1,2-Dichloroethene	3.61	96	88	7.850	ug/l	1
28) Bromochloromethane	3.89	49	122	17.763	ug/l #	8
29) Tetrahydrofuran	4.23	42	365	268.973	ug/l #	63
30) Chloroform	4.01	83	72	3.383	ug/l #	15
31) Cyclohexane	3.90	56	436	29.260	ug/l #	27
32) 1,1,1-Trichloroethane	4.31	97	89	5.299	ug/l #	21
36) 1,1-Dichloropropene	4.46	75	88	7.090	ug/l #	20
37) Ethyl Acetate	4.28	43	632	120.346	ug/l #	1
38) Carbon Tetrachloride	4.21	117	77	5.776	ug/l #	14
39) Methylcyclohexane	5.63	83	132	9.813	ug/l #	16

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	4.74	78	60	2.132	ug/l #	1
41) Methacrylonitrile	4.91	41	448	157.215	ug/l #	23
42) 1,2-Dichloroethane	5.06	62	65	6.275	ug/l	79
43) Isopropyl Acetate	7.08	43	659	104.237	ug/l #	95
44) Trichloroethene	5.66	130	76	9.074	ug/l	93
45) 1,2-Dichloropropane	6.39	63	94	12.906	ug/l #	42
46) Dibromomethane	6.23	93	77	14.790	ug/l #	5
47) Bromodichloromethane	6.54	83	350	27.975	ug/l #	26
48) Methyl methacrylate	6.87	41	1023	230.512	ug/l #	55
49) 1,4-Dioxane	6.88	88	106	2673.496	ug/l #	12
51) 4-Methyl-2-Pentanone	8.45	43	447	91.735	ug/l	95
52) Toluene	7.77	92	67	3.763	ug/l #	1
53) t-1,3-Dichloropropene	8.39	75	77	7.630	ug/l #	42
54) cis-1,3-Dichloropropene	7.44	75	85	6.686	ug/l #	1
55) 1,1,2-Trichloroethane	8.63	97	85	15.730	ug/l #	63
56) Ethyl methacrylate	8.73	69	725	111.094	ug/l #	75
57) 1,3-Dichloropropane	8.98	76	67	7.488	ug/l #	40
58) 2-Chloroethyl Vinyl ether	7.70	63	130	225.335	ug/l	100
59) 2-Hexanone	9.56	43	182	52.458	ug/l	68
60) Dibromochloromethane	8.95	129	78	9.685	ug/l #	13
61) 1,2-Dibromoethane	9.06	107	202	33.570	ug/l	87
65) Chlorobenzene	9.93	112	76	15.105	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.14	131	105	50.286	ug/l	93
67) Ethyl Benzene	10.01	91	874	93.948	ug/l #	46
68) m/p-Xylenes	10.21	106	79	24.579	ug/l	74
69) o-Xylene	10.80	106	165	45.770	ug/l	86
70) Styrene	10.96	104	165	32.455	ug/l #	43
71) Bromoform	10.89	173	106	92.434	ug/l #	31
73) Isopropylbenzene	11.32	105	370	10.875	ug/l	76
74) N-amyl acetate	11.45	43	1280	176.420	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.78	83	809	134.167	ug/l #	43
76) 1,2,3-Trichloropropane	11.90	75	230	53.273	ug/l #	1
77) Bromobenzene	11.60	156	184	25.094	ug/l #	16
78) n-propylbenzene	11.68	91	738	16.401	ug/l	87
79) 2-Chlorotoluene	11.84	91	1457	63.484	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.93	105	701	25.595	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.96	75	67	29.365	ug/l #	1
82) 4-Chlorotoluene	12.01	91	486	21.068	ug/l #	43
83) tert-Butylbenzene	12.25	119	710	25.573	ug/l #	1
84) 1,2,4-Trimethylbenzene	12.29	105	400	14.383	ug/l	76
85) sec-Butylbenzene	12.29	105	400	4.821	ug/l	93
86) p-Isopropyltoluene	12.53	119	1038	38.337	ug/l #	1
87) 1,3-Dichlorobenzene	12.57	146	387	28.244	ug/l #	1
88) 1,4-Dichlorobenzene	12.67	146	616	45.485	ug/l #	1
89) n-Butylbenzene	12.91	91	920	28.993	ug/l #	53
90) Hexachloroethane	13.08	117	1313	169.005	ug/l	69
91) 1,2-Dichlorobenzene	13.01	146	1099	84.081	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.72	75	649	573.269	ug/l	68
93) 1,2,4-Trichlorobenzene	14.31	180	804	84.628	ug/l #	1
95) Naphthalene	14.49	128	448	26.896	ug/l #	12

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96) 1,2,3-Trichlorobenzene	14.68	180	469	53.425	ug/l #	9

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

