

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060319\
 Data File : VF062827.D
 Acq On : 3 Jun 2019 14:28
 Operator : FY/SY
 Sample : K3097-03
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 0423-HR-3(HACKENSACK)

Quant Time: Jun 04 08:51:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	9736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.06	114	449	50.00	ug/l	0.26
63) Chlorobenzene-d5	10.35	117	369	50.00	ug/l	0.42
72) 1,4-Dichlorobenzene-d4	12.62	152	80	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	616	9.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.30%	
35) Dibromofluoromethane	4.54	113	148	43.62	ug/l	0.21
Spiked Amount	50.000		Recovery	=	87.24%	
50) Toluene-d8	8.06	98	336	39.16	ug/l	0.33
Spiked Amount	50.000		Recovery	=	78.32%	
62) 4-Bromofluorobenzene	12.05	95	215	69.66	ug/l	0.54
Spiked Amount	50.000		Recovery	=	139.32%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	0.99	85	341	Below Cal	#	39
3) Chloromethane	1.10	50	2407	23.893	ug/l	99
4) Vinyl Chloride	1.17	62	406	4.056	ug/l #	42
5) Bromomethane	1.51	94	607	10.632	ug/l	93
6) Chloroethane	1.43	64	111	2.966	ug/l #	1
8) Diethyl Ether	1.73	74	542	19.439	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.91	101	739	8.294	ug/l #	45
11) Tert butyl alcohol	2.74	59	271	66.446	ug/l #	70
12) 1,1-Dichloroethene	1.87	96	578	7.144	ug/l #	6
13) Acrolein	2.00	56	587	364.003	ug/l	94
14) Allyl chloride	2.23	41	320	5.098	ug/l #	13
15) Acrylonitrile	3.11	53	583	38.042	ug/l #	57
16) Acetone	2.35	43	520	33.746	ug/l #	26
17) Carbon Disulfide	1.93	76	307	1.298	ug/l #	1
18) Methyl Acetate	2.32	43	599	22.245	ug/l	96
19) Methyl tert-butyl Ether	2.58	73	753	5.137	ug/l #	1
20) Methylene Chloride	2.35	84	206	Below Cal	#	44
21) trans-1,2-Dichloroethene	2.55	96	370	4.561	ug/l	85
22) Diisopropyl ether	2.95	45	433	2.428	ug/l #	49
23) Vinyl Acetate	3.38	43	950	7.782	ug/l #	73
24) 1,1-Dichloroethane	3.01	63	838	6.294	ug/l #	88
25) 2-Butanone	4.42	43	693	19.312	ug/l	94
26) 2,2-Dichloropropane	3.74	77	741	9.801	ug/l	89
27) cis-1,2-Dichloroethene	3.66	96	903	6.622	ug/l	24
28) Bromochloromethane	3.91	49	347	4.791	ug/l #	1
29) Tetrahydrofuran	4.32	42	461	33.589	ug/l #	68
31) Cyclohexane	3.91	56	300	1.664	ug/l #	13
32) 1,1,1-Trichloroethane	4.30	97	445	4.073	ug/l #	41
36) 1,1-Dichloropropene	4.69	75	493	119.271	ug/l #	15
37) Ethyl Acetate	4.52	43	1129	714.524	ug/l #	18
38) Carbon Tetrachloride	4.40	117	419	149.988	ug/l #	15
39) Methylcyclohexane	5.91	83	87	16.911	ug/l #	50
40) Benzene	5.09	78	485	40.316	ug/l #	1
41) Methacrylonitrile	5.17	41	947	1078.101	ug/l #	37

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) 1,2-Dichloroethane	5.38	62	174	76.049	ug/l	69
43) Isopropyl Acetate	7.48	43	1322	633.356	ug/l #	75
44) Trichloroethene	5.97	130	91	26.803	ug/l	3
45) 1,2-Dichloropropane	6.76	63	474	157.014	ug/l #	44
46) Dibromomethane	6.58	93	184	104.395	ug/l #	2
47) Bromodichloromethane	6.86	83	392	109.207	ug/l #	13
48) Methyl methacrylate	7.22	41	1086	1009.559	ug/l #	62
49) 1,4-Dioxane	7.19	88	154	10861.009	ug/l #	1
51) 4-Methyl-2-Pentanone	8.82	43	1420	952.891	ug/l #	32
52) Toluene	8.16	92	206	31.793	ug/l #	1
53) t-1,3-Dichloropropene	8.92	75	389	130.781	ug/l	97
54) cis-1,3-Dichloropropene	7.82	75	90	20.903	ug/l #	1
55) 1,1,2-Trichloroethane	9.05	97	603	311.512	ug/l #	19
56) Ethyl methacrylate	9.18	69	265	127.590	ug/l #	31
57) 1,3-Dichloropropane	9.54	76	294	93.007	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.79	63	164	225.933	ug/l #	1
59) 2-Hexanone	10.20	43	591	556.409	ug/l	62
60) Dibromochloromethane	9.40	129	183	76.360	ug/l	60
61) 1,2-Dibromoethane	9.55	107	101	50.240	ug/l #	1
64) Tetrachloroethene	8.33	164	83	29.271	ug/l #	60
65) Chlorobenzene	9.98	112	143	20.067	ug/l #	40
66) 1,1,1,2-Tetrachloroethane	10.09	131	164	57.788	ug/l #	6
67) Ethyl Benzene	10.07	91	653	53.400	ug/l #	42
68) m/p-Xylenes	10.22	106	135	28.850	ug/l #	48
69) o-Xylene	10.78	106	106	22.374	ug/l	80
70) Styrene	10.94	104	369	52.842	ug/l #	34
71) Bromoform	10.89	173	98	71.983	ug/l #	28
73) Isopropylbenzene	11.24	105	364	65.209	ug/l	89
74) N-amyl acetate	11.45	43	582	369.930	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	11.79	83	977	819.588	ug/l #	52
76) 1,2,3-Trichloropropane	11.90	75	189	239.190	ug/l #	4
77) Bromobenzene	11.61	156	85	60.604	ug/l	86
78) n-propylbenzene	11.58	91	474	70.327	ug/l	85
79) 2-Chlorotoluene	11.92	91	214	55.490	ug/l	100
80) 1,3,5-Trimethylbenzene	11.85	105	461	100.986	ug/l	77
81) trans-1,4-Dichloro-2-buten	11.93	75	409	1222.601	ug/l #	28
82) 4-Chlorotoluene	11.92	91	214	56.464	ug/l	95
83) tert-Butylbenzene	12.21	119	105	23.213	ug/l #	69
84) 1,2,4-Trimethylbenzene	12.26	105	431	99.580	ug/l #	59
85) sec-Butylbenzene	12.36	105	372	62.413	ug/l	90
86) p-Isopropyltoluene	12.53	119	61	12.296	ug/l #	1
87) 1,3-Dichlorobenzene	12.55	146	199	80.451	ug/l #	23
88) 1,4-Dichlorobenzene	12.64	146	70	30.324	ug/l #	23
89) n-Butylbenzene	12.90	91	76	15.229	ug/l #	1
90) Hexachloroethane	12.96	117	323	266.942	ug/l #	10
91) 1,2-Dichlorobenzene	13.04	146	79	36.337	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.67	75	334	2571.771	ug/l #	16
93) 1,2,4-Trichlorobenzene	14.25	180	64	42.873	ug/l #	10
94) Hexachlorobutadiene	14.26	225	306	296.309	ug/l #	51
95) Naphthalene	14.48	128	231	94.455	ug/l #	7

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.67	180	60	44.032	ug/l #	11

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

