

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100918\
 Data File : VF060502.D
 Acq On : 9 Oct 2018 21:29
 Operator : VA/AP
 Sample : J5164-02L00
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2018

Manual Integrations
 APPROVED

apatel
 10/10/2018 12:34:23 PM

Quant Time: Oct 10 09:11:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 10 02:28:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	254249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.73	114	417586	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	334061	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	201089	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.99	65	214057	55.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.04%	
35) Dibromofluoromethane	4.26	113	207336	53.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.88%	
50) Toluene-d8	7.68	98	452068	48.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.86%	
62) 4-Bromofluorobenzene	11.49	95	203086	50.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.20%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.99	85	61560	10.227	ug/l	95
3) Chloromethane	1.14	50	34128	11.042	ug/l	96
4) Vinyl Chloride	1.17	62	37205	11.097	ug/l	98
5) Bromomethane	1.35	94	31338	11.886	ug/l	84
6) Chloroethane	1.42	64	19407	10.950	ug/l	92
7) Trichlorofluoromethane	1.54	101	79206	10.540	ug/l	90
8) Diethyl Ether	1.69	74	11525	10.718	ug/l	59
9) 1,1,2-Trichlorotrifluoroet	1.87	101	40472	10.767	ug/l	93
10) Methyl Iodide	1.94	142	63054	10.580	ug/l #	90
11) Tert butyl alcohol	2.67	59	13334	65.997	ug/l #	82
12) 1,1-Dichloroethene	1.85	96	33137	10.553	ug/l #	74
13) Acrolein	2.07	56	8395	57.146	ug/l #	81
14) Allyl chloride	2.17	41	51341	11.092	ug/l	93
15) Acrylonitrile	3.05	53	21494	50.533	ug/l #	82
16) Acetone	2.32	43	53269	44.176	ug/l #	90
17) Carbon Disulfide	1.88	76	92767	10.624	ug/l #	90
18) Methyl Acetate	2.44	43	17639	10.413	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	78909	11.164	ug/l	97
20) Methylene Chloride	2.30	84	38331m	13.069	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	33435	11.408	ug/l	95
22) Diisopropyl ether	2.90	45	108098	11.362	ug/l #	93
23) Vinyl Acetate	3.30	43	177318	53.240	ug/l	100
24) 1,1-Dichloroethane	2.97	63	63727	9.981	ug/l	98
25) 2-Butanone	4.48	43	54817	59.602	ug/l	92
26) 2,2-Dichloropropane	3.73	77	36192	10.872	ug/l	89
27) cis-1,2-Dichloroethene	3.60	96	33851	9.895	ug/l	80
28) Bromochloromethane	3.86	49	23672	10.674	ug/l	96
29) Tetrahydrofuran	4.23	42	22527	58.103	ug/l	93
30) Chloroform	4.00	83	84007	11.370	ug/l	90
31) Cyclohexane	3.84	56	43545	10.661	ug/l #	81
32) 1,1,1-Trichloroethane	4.24	97	64891	11.148	ug/l	92
36) 1,1-Dichloropropene	4.42	75	54226	11.164	ug/l	92
37) Ethyl Acetate	4.26	43	21927	12.780	ug/l #	66
38) Carbon Tetrachloride	4.13	117	69466	14.237	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.59	83	52004	11.371	ug/l	93
40) Benzene	4.77	78	108169	10.846	ug/l	96
41) Methacrylonitrile	4.89	41	9971	10.228	ug/l	89
42) 1,2-Dichloroethane	5.08	62	49256	10.887	ug/l	100
43) Isopropyl Acetate	7.08	43	20816	9.735	ug/l #	97
44) Trichloroethene	5.64	130	33574	10.807	ug/l	94
45) 1,2-Dichloropropane	6.37	63	26619	10.904	ug/l #	83
46) Dibromomethane	6.22	93	19873	10.148	ug/l	92
47) Bromodichloromethane	6.52	83	53708	10.859	ug/l	96
48) Methyl methacrylate	6.84	41	16100	11.115	ug/l	92
49) 1,4-Dioxane	6.84	88	2636	167.580	ug/l #	82
51) 4-Methyl-2-Pentanone	8.38	43	81155	54.405	ug/l	100
52) Toluene	7.75	92	60942	9.703	ug/l	93
53) t-1,3-Dichloropropene	8.40	75	39743	10.347	ug/l	98
54) cis-1,3-Dichloropropene	7.42	75	46594	10.415	ug/l	95
55) 1,1,2-Trichloroethane	8.62	97	18448	9.557	ug/l	89
56) Ethyl methacrylate	8.74	69	20594	9.221	ug/l	95
57) 1,3-Dichloropropane	8.97	76	33734	10.149	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.75	63	11914	52.495	ug/l	100
59) 2-Hexanone	9.60	43	58472	54.191	ug/l	100
60) Dibromochloromethane	8.83	129	29785	9.830	ug/l	96
61) 1,2-Dibromoethane	9.11	107	23214	10.643	ug/l	93
64) Tetrachloroethene	8.27	164	30520	11.527	ug/l	90
65) Chlorobenzene	9.91	112	73532	11.334	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.04	131	33776	11.558	ug/l	90
67) Ethyl Benzene	10.01	91	135674	11.084	ug/l	98
68) m/p-Xylenes	10.24	106	93775	22.443	ug/l	97
69) o-Xylene	10.81	106	49485	10.890	ug/l	91
70) Styrene	10.87	104	78577	12.013	ug/l	93
71) Bromoform	10.86	173	16800	11.339	ug/l #	91
73) Isopropylbenzene	11.21	105	162077	10.843	ug/l	97
74) N-amyl acetate	11.45	43	35370	10.871	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.76	83	27002	10.748	ug/l	92
76) 1,2,3-Trichloropropane	11.87	75	21532	11.086	ug/l	89
77) Bromobenzene	11.57	156	34561	10.404	ug/l	90
78) n-propylbenzene	11.67	91	200028	11.236	ug/l	96
79) 2-Chlorotoluene	11.79	91	111582	10.706	ug/l	95
80) 1,3,5-Trimethylbenzene	11.89	105	135476	10.804	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.94	75	13892	16.405	ug/l	92
82) 4-Chlorotoluene	11.97	91	116641	10.848	ug/l	98
83) tert-Butylbenzene	12.20	119	137817	10.933	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	138536	10.882	ug/l	100
85) sec-Butylbenzene	12.37	105	183449	10.730	ug/l	98
86) p-Isopropyltoluene	12.52	119	155575	11.085	ug/l	97
87) 1,3-Dichlorobenzene	12.54	146	73271	11.580	ug/l	95
88) 1,4-Dichlorobenzene	12.63	146	67583	11.014	ug/l	91
89) n-Butylbenzene	12.91	91	160332	10.917	ug/l	94
90) Hexachloroethane	12.97	117	35025	10.436	ug/l	82
91) 1,2-Dichlorobenzene	13.00	146	68263	11.207	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.69	75	5024	9.421	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	49546	10.533	ug/l	92
94) Hexachlorobutadiene	14.25	225	34119	10.669	ug/l	97
95) Naphthalene	14.51	128	85534	10.578	ug/l #	95
96) 1,2,3-Trichlorobenzene	14.65	180	47347	10.804	ug/l	94

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

