

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081418\
 Data File : VF059963.D
 Acq On : 15 Aug 2018 00:42
 Operator : VA/AP
 Sample : J3762-01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

Manual Integrations
 APPROVED

apatel
 8/16/2018 12:17:16 PM

Quant Time: Aug 15 12:00:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 09:20:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	131151	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.79	114	186020	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	185158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.65	152	121124	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	114286	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
35) Dibromofluoromethane	4.32	113	96656	51.85	ug/l	0.01
Spiked Amount	50.000		Recovery	=	103.70%	
50) Toluene-d8	7.73	98	204304	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	
62) 4-Bromofluorobenzene	11.53	95	112730	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	5018	2.58	ug/l	98
3) Chloromethane	1.10	50	2435	2.94	ug/l	90
4) Vinyl Chloride	1.16	62	2477	2.60	ug/l	96
5) Bromomethane	1.34	94	2178m	2.54	ug/l	
6) Chloroethane	1.43	64	1640	2.66	ug/l #	46
7) Trichlorofluoromethane	1.55	101	5660m	2.04	ug/l	
8) Diethyl Ether	1.71	74	1001	2.62	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.91	101	3204	2.28	ug/l	99
10) Methyl Iodide	1.97	142	5549	2.53	ug/l	97
11) Tert butyl alcohol	2.70	59	1417	15.56	ug/l #	64
12) 1,1-Dichloroethene	1.87	96	2402	2.31	ug/l #	76
13) Acrolein	2.11	56	651	27.89	ug/l #	81
15) Acrylonitrile	3.09	53	1840	13.32	ug/l #	59
16) Acetone	2.35	43	7118	15.64	ug/l	97
17) Carbon Disulfide	1.89	76	6364	2.39	ug/l	95
18) Methyl Acetate	2.47	43	1633	2.58	ug/l #	86
19) Methyl tert-butyl Ether	2.56	73	7536	2.52	ug/l	100
20) Methylene Chloride	2.29	84	6039m	1.28	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	2658	2.63	ug/l #	77
22) Diisopropyl ether	2.94	45	8806	2.59	ug/l #	95
23) Vinyl Acetate	3.35	43	18112	10.73	ug/l	98
24) 1,1-Dichloroethane	3.02	63	6032	2.51	ug/l #	89
25) 2-Butanone	4.54	43	6212	13.50	ug/l	98
26) 2,2-Dichloropropane	3.78	77	3980	2.55	ug/l #	67
27) cis-1,2-Dichloroethene	3.65	96	2409	2.16	ug/l	90
28) Bromochloromethane	3.91	49	2424	2.71	ug/l	92
29) Tetrahydrofuran	4.27	42	2758	17.44	ug/l #	89
30) Chloroform	4.07	83	7590	2.30	ug/l	86
31) Cyclohexane	3.91	56	2975m	2.47	ug/l	
32) 1,1,1-Trichloroethane	4.31	97	5885	2.17	ug/l #	80
36) 1,1-Dichloropropene	4.49	75	4845	2.34	ug/l #	85
38) Carbon Tetrachloride	4.20	117	7207	2.09	ug/l	85
39) Methylcyclohexane	5.64	83	3768	2.51	ug/l #	84
40) Benzene	4.83	78	8221	2.35	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.93	41	1182	2.71	ug/l #	83
42) 1,2-Dichloroethane	5.14	62	6461	2.33	ug/l #	90
43) Isopropyl Acetate	7.14	43	2388	2.48	ug/l #	85
44) Trichloroethene	5.70	130	2843	2.11	ug/l	83
45) 1,2-Dichloropropane	6.42	63	2293	2.48	ug/l	99
46) Dibromomethane	6.28	93	1819	1.99	ug/l #	79
47) Bromodichloromethane	6.58	83	5113	1.94	ug/l #	93
48) Methyl methacrylate	6.89	41	1930	2.69	ug/l	91
49) 1,4-Dioxane	6.88	88	278	51.20	ug/l #	19
51) 4-Methyl-2-Pentanone	8.42	43	11083	11.87	ug/l #	89
52) Toluene	7.80	92	6620	2.56	ug/l	79
53) t-1,3-Dichloropropene	8.45	75	4826	2.24	ug/l #	83
54) cis-1,3-Dichloropropene	7.48	75	4400	2.12	ug/l #	70
55) 1,1,2-Trichloroethane	8.66	97	2722	3.07	ug/l #	65
56) Ethyl methacrylate	8.79	69	2083	2.19	ug/l	84
57) 1,3-Dichloropropane	9.03	76	3887	2.38	ug/l #	85
58) 2-Chloroethyl Vinyl ether	7.81	63	1386	10.83	ug/l	100
59) 2-Hexanone	9.65	43	10661	15.65	ug/l	100
60) Dibromochloromethane	8.88	129	3817	2.18	ug/l	91
61) 1,2-Dibromoethane	9.16	107	2495	2.26	ug/l	88
64) Tetrachloroethene	8.32	164	3498	2.43	ug/l	87
65) Chlorobenzene	9.96	112	7889	2.21	ug/l	89
66) 1,1,1,2-Tetrachloroethane	10.09	131	3969	2.30	ug/l	89
67) Ethyl Benzene	10.06	91	14569	2.31	ug/l	97
68) m/p-Xylenes	10.28	106	9408	4.43	ug/l	77
69) o-Xylene	10.86	106	5491	2.38	ug/l	64
70) Styrene	10.91	104	7525	2.20	ug/l #	86
71) Bromoform	10.90	173	2336	2.17	ug/l	95
73) Isopropylbenzene	11.24	105	15125	1.99	ug/l	100
74) N-amyl acetate	11.48	43	3979	2.37	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.80	83	3046	2.38	ug/l	98
76) 1,2,3-Trichloropropane	11.90	75	2823	2.56	ug/l	96
77) Bromobenzene	11.61	156	4773	2.39	ug/l	83
78) n-propylbenzene	11.70	91	21455	2.40	ug/l	99
79) 2-Chlorotoluene	11.83	91	13547	2.42	ug/l	96
80) 1,3,5-Trimethylbenzene	11.93	105	14476	2.04	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.99	75	1814	4.02	ug/l #	15
82) 4-Chlorotoluene	12.01	91	13850	2.24	ug/l	87
83) tert-Butylbenzene	12.23	119	15036	2.15	ug/l	97
84) 1,2,4-Trimethylbenzene	12.30	105	16070	2.25	ug/l	97
85) sec-Butylbenzene	12.40	105	20244	2.27	ug/l	95
86) p-Isopropyltoluene	12.55	119	16049	2.05	ug/l	92
87) 1,3-Dichlorobenzene	12.57	146	10481	2.76	ug/l	93
88) 1,4-Dichlorobenzene	12.66	146	10374	2.78	ug/l	95
89) n-Butylbenzene	12.93	91	15771	2.09	ug/l	96
90) Hexachloroethane	13.00	117	4532	2.33	ug/l	65
91) 1,2-Dichlorobenzene	13.03	146	9356	2.54	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.72	75	670	1.93	ug/l	82
93) 1,2,4-Trichlorobenzene	14.28	180	7160	2.43	ug/l	92
94) Hexachlorobutadiene	14.27	225	4869	2.31	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	14.53	128	10923	2.27	ug/l	98
96) 1,2,3-Trichlorobenzene	14.68	180	6773	2.41	ug/l	91

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

