

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030419\
 Data File : VF061832.D
 Acq On : 4 Mar 2019 21:48
 Operator : VA/AP
 Sample : K1560-012.5PPBLOD
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Manual Integrations
 APPROVED

MMDadoda
 3/5/2019 10:48:21 AM

Quant Time: Mar 05 06:08:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	293962	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	483620	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.77	117	381919	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	226037	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	126489	59.09	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	118.18%	
35) Dibromofluoromethane	4.12	113	186306	55.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.40%	
50) Toluene-d8	7.55	98	489574	48.80	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	97.60%	
62) 4-Bromofluorobenzene	11.41	95	205784	52.37	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	104.74%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	11917	3.302	ug/l	96
3) Chloromethane	1.10	50	10988	3.142	ug/l #	74
4) Vinyl Chloride	1.14	62	9821	2.958	ug/l #	84
5) Bromomethane	1.33	94	7461	3.297	ug/l #	69
6) Chloroethane	1.39	64	5533	3.506	ug/l #	74
7) Trichlorofluoromethane	1.49	101	13168	3.247	ug/l	94
8) Diethyl Ether	1.63	74	3705	4.018	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.83	101	10576	3.840	ug/l	88
10) Methyl Iodide	1.90	142	17202m	3.283	ug/l	
11) Tert butyl alcohol	2.57	59	2039	16.781	ug/l #	86
12) 1,1-Dichloroethene	1.80	96	9120	3.628	ug/l	97
13) Acrolein	2.01	56	3131	20.336	ug/l	93
14) Allyl chloride	2.10	41	7536	2.721	ug/l	90
15) Acrylonitrile	2.94	53	7899	20.415	ug/l #	89
16) Acetone	2.24	43	8850	19.736	ug/l #	80
17) Carbon Disulfide	1.83	76	24608	3.144	ug/l	97
18) Methyl Acetate	2.34	43	3997	Below Cal		99
19) Methyl tert-butyl Ether	2.43	73	14820	3.485	ug/l #	91
20) Methylene Chloride	2.18	84	17534m	1.981	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	8932	3.775	ug/l	95
22) Diisopropyl ether	2.80	45	22684	3.149	ug/l	91
23) Vinyl Acetate	3.19	43	48743	15.144	ug/l	97
24) 1,1-Dichloroethane	2.87	63	13373	3.105	ug/l #	95
25) 2-Butanone	4.35	43	16422	18.004	ug/l	97
26) 2,2-Dichloropropane	3.61	77	5285	2.749	ug/l	91
27) cis-1,2-Dichloroethene	3.47	96	11405	3.479	ug/l	74
28) Bromochloromethane	3.71	49	5776	3.077	ug/l	88
29) Tetrahydrofuran	4.09	42	7254	18.440	ug/l	93
30) Chloroform	3.85	83	16657	3.386	ug/l	83
31) Cyclohexane	3.70	56	15940m	3.534	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	8303	2.739	ug/l #	89
36) 1,1-Dichloropropene	4.29	75	13772	3.015	ug/l	96
37) Ethyl Acetate	4.11	43	7488	3.905	ug/l #	61
38) Carbon Tetrachloride	3.98	117	9466	2.927	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	14757	2.735	ug/l #	81
40) Benzene	4.63	78	31071	2.602	ug/l	97
41) Methacrylonitrile	4.75	41	3646	3.471	ug/l #	87
42) 1,2-Dichloroethane	4.95	62	8822	2.965	ug/l	88
43) Isopropyl Acetate	6.97	43	7270	3.076	ug/l	93
44) Trichloroethene	5.50	130	10136	2.731	ug/l	82
45) 1,2-Dichloropropane	6.23	63	7307	2.573	ug/l	92
46) Dibromomethane	6.08	93	4298	2.405	ug/l #	87
47) Bromodichloromethane	6.38	83	10648	2.697	ug/l	98
48) Methyl methacrylate	6.71	41	5674	3.793	ug/l	87
49) 1,4-Dioxane	6.71	88	1053	77.005	ug/l #	81
51) 4-Methyl-2-Pentanone	8.26	43	26214	16.047	ug/l	99
52) Toluene	7.62	92	19173	2.714	ug/l	96
53) t-1,3-Dichloropropene	8.27	75	8441	2.590	ug/l #	83
54) cis-1,3-Dichloropropene	7.30	75	11639	2.589	ug/l #	86
55) 1,1,2-Trichloroethane	8.49	97	5501	2.703	ug/l #	87
56) Ethyl methacrylate	8.62	69	6961	3.035	ug/l	92
57) 1,3-Dichloropropane	8.85	76	9717	2.919	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.28	63	3695	10.183	ug/l #	88
59) 2-Hexanone	9.49	43	21402	18.161	ug/l	84
60) Dibromochloromethane	8.71	129	6983	2.407	ug/l	100
61) 1,2-Dibromoethane	8.98	107	6031	2.695	ug/l	85
64) Tetrachloroethene	8.15	164	8858	3.018	ug/l	91
65) Chlorobenzene	9.80	112	22869	3.117	ug/l	92
66) 1,1,1,2-Tetrachloroethane	9.93	131	8153	2.868	ug/l	92
67) Ethyl Benzene	9.90	91	36558	3.006	ug/l	99
68) m/p-Xylenes	10.12	106	27611	5.926	ug/l	96
69) o-Xylene	10.71	106	14051	2.801	ug/l	89
70) Styrene	10.78	104	21741	3.079	ug/l	96
71) Bromoform	10.77	173	4096	2.726	ug/l	86
73) Isopropylbenzene	11.12	105	45615	2.931	ug/l	98
74) N-amyl acetate	11.37	43	12040	3.361	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.69	83	8108	3.135	ug/l	89
76) 1,2,3-Trichloropropane	11.79	75	5337	3.023	ug/l	98
77) Bromobenzene	11.49	156	10751	2.871	ug/l	88
78) n-propylbenzene	11.59	91	55724	3.171	ug/l	95
79) 2-Chlorotoluene	11.72	91	30278	3.014	ug/l	89
80) 1,3,5-Trimethylbenzene	11.82	105	36850	2.949	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.88	75	2543m	3.151	ug/l	
82) 4-Chlorotoluene	11.90	91	30869	3.004	ug/l	93
83) tert-Butylbenzene	12.13	119	40775	3.074	ug/l	82
84) 1,2,4-Trimethylbenzene	12.20	105	39263	3.206	ug/l	91
85) sec-Butylbenzene	12.30	105	54691	3.168	ug/l	96
86) p-Isopropyltoluene	12.46	119	46455	3.166	ug/l	98
87) 1,3-Dichlorobenzene	12.47	146	25627	3.604	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	22228	3.240	ug/l	94
89) n-Butylbenzene	12.85	91	42306	3.017	ug/l	95
90) Hexachloroethane	12.91	117	9822	2.781	ug/l	92
91) 1,2-Dichlorobenzene	12.94	146	22439	3.330	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.63	75	1162	6.160	ug/l #	39

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	15820	3.349	ug/l	95
94) Hexachlorobutadiene	14.19	225	7965	2.436	ug/l	96
95) Naphthalene	14.45	128	28787	3.422	ug/l	97
96) 1,2,3-Trichlorobenzene	14.60	180	14459	3.315	ug/l	97

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

