

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041819\
 Data File : VF062205.D
 Acq On : 18 Apr 2019 15:16
 Operator : FY/SY
 Sample : K2241-02
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

Manual Integrations
 APPROVED

MMDadoda
 4/19/2019 10:52:23 AM

Quant Time: Apr 19 03:57:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 03:45:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	438157	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.77	114	638179	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	493183	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	286765	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	225228	56.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.12%	
35) Dibromofluoromethane	4.31	113	296319	53.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.16%	
50) Toluene-d8	7.71	98	746008	52.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.58%	
62) 4-Bromofluorobenzene	11.49	95	305586	56.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.42%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	73917	11.101	ug/l	95
3) Chloromethane	1.14	50	70957	10.310	ug/l	97
4) Vinyl Chloride	1.19	62	65395	11.060	ug/l	95
5) Bromomethane	1.39	94	40942	11.919	ug/l	99
6) Chloroethane	1.44	64	27194	11.001	ug/l	98
7) Trichlorofluoromethane	1.55	101	80958	10.778	ug/l	99
8) Diethyl Ether	1.70	74	17726	11.338	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.90	101	57080	11.123	ug/l	99
10) Methyl Iodide	1.98	142	97268	10.670	ug/l	91
11) Tert butyl alcohol	2.70	59	15077	53.987	ug/l #	82
12) 1,1-Dichloroethene	1.87	96	53682	10.998	ug/l	97
13) Acrolein	2.09	56	9320	55.075	ug/l	100
14) Allyl chloride	2.20	41	56835	10.146	ug/l	98
15) Acrylonitrile	3.08	53	37702	44.324	ug/l	97
16) Acetone	2.34	43	48218	50.210	ug/l	96
17) Carbon Disulfide	1.91	76	139822	10.309	ug/l	96
18) Methyl Acetate	2.46	43	28577	10.814	ug/l	93
19) Methyl tert-butyl Ether	2.54	73	96086	11.150	ug/l	99
20) Methylene Chloride	2.33	84	69115m	11.284	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	47110	9.760	ug/l	100
22) Diisopropyl ether	2.94	45	143529	10.017	ug/l	98
23) Vinyl Acetate	3.34	43	348770	51.089	ug/l	97
24) 1,1-Dichloroethane	3.00	63	84017	10.719	ug/l	98
25) 2-Butanone	4.52	43	101176	52.690	ug/l	94
26) 2,2-Dichloropropane	3.77	77	39722	10.038	ug/l	95
27) cis-1,2-Dichloroethene	3.64	96	64287	10.285	ug/l	99
28) Bromochloromethane	3.90	49	38903	10.361	ug/l #	99
29) Tetrahydrofuran	4.28	42	43011	49.486	ug/l	94
30) Chloroform	4.05	83	98396	10.215	ug/l	99
31) Cyclohexane	3.87	56	92136	9.809	ug/l	96
32) 1,1,1-Trichloroethane	4.29	97	62074	8.803	ug/l #	88
36) 1,1-Dichloropropene	4.47	75	79312	10.366	ug/l	97
37) Ethyl Acetate	4.30	43	36214	10.030	ug/l #	98
38) Carbon Tetrachloride	4.18	117	64617	9.541	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	93570	10.214	ug/l	98
40) Benzene	4.82	78	205825	10.256	ug/l	96
41) Methacrylonitrile	4.93	41	22063	10.594	ug/l	96
42) 1,2-Dichloroethane	5.12	62	53773	10.135	ug/l	95
43) Isopropyl Acetate	7.11	43	40584	10.687	ug/l #	96
44) Trichloroethene	5.69	130	58478	10.783	ug/l	96
45) 1,2-Dichloropropane	6.40	63	47017	10.636	ug/l	95
46) Dibromomethane	6.26	93	31765	10.800	ug/l	100
47) Bromodichloromethane	6.55	83	71112	10.714	ug/l	97
48) Methyl methacrylate	6.88	41	24528	9.828	ug/l	99
49) 1,4-Dioxane	6.87	88	5645	197.235	ug/l	92
51) 4-Methyl-2-Pentanone	8.41	43	154171	54.584	ug/l	99
52) Toluene	7.77	92	113402	10.720	ug/l	98
53) t-1,3-Dichloropropene	8.43	75	53198	10.671	ug/l	90
54) cis-1,3-Dichloropropene	7.46	75	72905	10.812	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	31629	10.672	ug/l	93
56) Ethyl methacrylate	8.75	69	37024	10.988	ug/l	94
57) 1,3-Dichloropropane	9.00	76	51387	10.738	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.45	63	54355	55.562	ug/l	99
59) 2-Hexanone	9.62	43	102487	55.070	ug/l	99
60) Dibromochloromethane	8.86	129	47706	10.824	ug/l	99
61) 1,2-Dibromoethane	9.14	107	36128	10.820	ug/l	94
64) Tetrachloroethene	8.31	164	49947	11.219	ug/l	94
65) Chlorobenzene	9.93	112	116503	11.079	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	52739	10.709	ug/l	97
67) Ethyl Benzene	10.03	91	203652	10.650	ug/l	100
68) m/p-Xylenes	10.26	106	149631	21.256	ug/l	94
69) o-Xylene	10.82	106	84921	10.866	ug/l	97
70) Styrene	10.89	104	130416	11.824	ug/l	98
71) Bromoform	10.88	173	30129	11.588	ug/l #	97
73) Isopropylbenzene	11.22	105	250676	10.176	ug/l	98
74) N-amyl acetate	11.45	43	67305	10.338	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	42542	10.042	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	28772	9.872	ug/l #	64
77) Bromobenzene	11.58	156	55983	10.609	ug/l	97
78) n-propylbenzene	11.67	91	282513	10.872	ug/l	99
79) 2-Chlorotoluene	11.80	91	169711	10.766	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	217805	10.616	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.93	75	16576m	11.151	ug/l	
82) 4-Chlorotoluene	11.97	91	162261	10.651	ug/l	99
83) tert-Butylbenzene	12.20	119	223384	10.529	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	202575	10.203	ug/l	100
85) sec-Butylbenzene	12.37	105	292331	10.613	ug/l	98
86) p-Isopropyltoluene	12.52	119	252821	10.820	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	108059	11.035	ug/l	98
88) 1,4-Dichlorobenzene	12.62	146	101860	10.784	ug/l	97
89) n-Butylbenzene	12.90	91	254704	11.370	ug/l	95
90) Hexachloroethane	12.97	117	62139	10.356	ug/l	99
91) 1,2-Dichlorobenzene	13.00	146	105292	11.136	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	8438	10.138	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	89208	11.276	ug/l	97
94) Hexachlorobutadiene	14.23	225	60045	11.069	ug/l	98
95) Naphthalene	14.50	128	139849	10.110	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	83258	10.962	ug/l	97

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

