

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021319\
 Data File : VF061628.D
 Acq On : 13 Feb 2019 18:03
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 2/14/2019 12:42:05 PM

Quant Time: Feb 14 03:31:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:03:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	280811	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.60	114	436600	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	381892	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	192867	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	153943	44.07	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	88.14%	
35) Dibromofluoromethane	4.10	113	227907	66.35	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	132.70%	
50) Toluene-d8	7.56	98	660037	70.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	140.60%	
62) 4-Bromofluorobenzene	11.42	95	247737	59.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.36%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.94	85	214265	43.485	ug/l	98
3) Chloromethane	1.08	50	234791	60.844	ug/l	99
4) Vinyl Chloride	1.12	62	215011	64.105	ug/l	99
5) Bromomethane	1.32	94	154287	61.887	ug/l	95
6) Chloroethane	1.38	64	110506	70.742	ug/l	96
7) Trichlorofluoromethane	1.48	101	263308	44.714	ug/l	94
8) Diethyl Ether	1.61	74	69288	75.148	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.82	101	182139	57.290	ug/l	95
10) Methyl Iodide	1.90	142	366132m	69.802	ug/l	
11) Tert butyl alcohol	2.56	59	47037	317.702	ug/l	94
12) 1,1-Dichloroethene	1.78	96	167698	64.560	ug/l	96
13) Acrolein	1.99	56	55079	335.668	ug/l	97
14) Allyl chloride	2.09	41	188906	50.036	ug/l	97
15) Acrylonitrile	2.94	53	151119	371.054	ug/l	93
16) Acetone	2.23	43	161150	306.738	ug/l	96
17) Carbon Disulfide	1.81	76	529812m	66.931	ug/l	
18) Methyl Acetate	2.33	43	70717	62.992	ug/l	94
19) Methyl tert-butyl Ether	2.42	73	301362	56.981	ug/l	96
20) Methylene Chloride	2.17	84	170875m	55.378	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	186022	69.328	ug/l	98
22) Diisopropyl ether	2.79	45	513868	59.451	ug/l	98
23) Vinyl Acetate	3.18	43	1313814	310.126	ug/l	98
24) 1,1-Dichloroethane	2.86	63	308664	59.118	ug/l	99
25) 2-Butanone	4.33	43	356822	333.563	ug/l	94
26) 2,2-Dichloropropane	3.59	77	132716	52.168	ug/l	97
27) cis-1,2-Dichloroethene	3.47	96	247178	64.834	ug/l	99
28) Bromochloromethane	3.70	49	148115	57.062	ug/l	94
29) Tetrahydrofuran	4.06	42	155096	309.522	ug/l	98
30) Chloroform	3.85	83	345100	48.806	ug/l	97
31) Cyclohexane	3.68	56	326288m	62.945	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	254527m	53.347	ug/l	
36) 1,1-Dichloropropene	4.28	75	283911	58.228	ug/l	96
37) Ethyl Acetate	4.10	43	133602	62.323	ug/l #	82
38) Carbon Tetrachloride	3.98	117	194262	48.714	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	362386m	73.183	ug/l	
40) Benzene	4.62	78	787617	72.082	ug/l	99
41) Methacrylonitrile	4.74	41	73517	68.432	ug/l	96
42) 1,2-Dichloroethane	4.94	62	185489	49.064	ug/l	97
43) Isopropyl Acetate	6.96	43	167200	68.705	ug/l	99
44) Trichloroethene	5.50	130	252204	75.569	ug/l	100
45) 1,2-Dichloropropane	6.24	63	190384	67.544	ug/l	99
46) Dibromomethane	6.08	93	121821	66.164	ug/l	92
47) Bromodichloromethane	6.39	83	263230	56.664	ug/l	97
48) Methyl methacrylate	6.72	41	103401	63.600	ug/l	94
49) 1,4-Dioxane	6.70	88	19543	1712.401	ug/l	87
51) 4-Methyl-2-Pentanone	8.26	43	577547	315.527	ug/l	100
52) Toluene	7.63	92	460259	67.461	ug/l	98
53) t-1,3-Dichloropropene	8.28	75	213762	59.461	ug/l	100
54) cis-1,3-Dichloropropene	7.30	75	285565	62.677	ug/l	97
55) 1,1,2-Trichloroethane	8.50	97	139252	65.976	ug/l	96
56) Ethyl methacrylate	8.62	69	158484	67.730	ug/l	99
57) 1,3-Dichloropropane	8.86	76	234383	63.792	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.30	63	144051	364.953	ug/l	98
59) 2-Hexanone	9.50	43	393623	317.487	ug/l	98
60) Dibromochloromethane	8.72	129	204253	69.655	ug/l	100
61) 1,2-Dibromoethane	8.99	107	159189	72.317	ug/l	97
64) Tetrachloroethene	8.16	164	214908	74.375	ug/l	99
65) Chlorobenzene	9.81	112	527644	71.036	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.94	131	206136	67.288	ug/l	98
67) Ethyl Benzene	9.91	91	865378	63.993	ug/l	98
68) m/p-Xylenes	10.14	106	669276	142.652	ug/l	96
69) o-Xylene	10.72	106	345740	66.821	ug/l	96
70) Styrene	10.79	104	489223	68.280	ug/l	99
71) Bromoform	10.77	173	116346	80.239	ug/l #	97
73) Isopropylbenzene	11.13	105	991231	66.491	ug/l	97
74) N-amyl acetate	11.38	43	237961	63.395	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.70	83	183142	65.816	ug/l	97
76) 1,2,3-Trichloropropane	11.80	75	116363	58.857	ug/l	99
77) Bromobenzene	11.50	156	243671	74.293	ug/l	98
78) n-propylbenzene	11.60	91	1037947	57.963	ug/l	100
79) 2-Chlorotoluene	11.73	91	623734	61.171	ug/l	98
80) 1,3,5-Trimethylbenzene	11.83	105	763190	62.057	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.88	75	62355m	75.451	ug/l	
82) 4-Chlorotoluene	11.91	91	630117	59.484	ug/l	99
83) tert-Butylbenzene	12.14	119	847155	66.997	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	754757	62.517	ug/l	99
85) sec-Butylbenzene	12.31	105	1094958	64.795	ug/l	99
86) p-Isopropyltoluene	12.47	119	888114	64.254	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	440409	69.089	ug/l	98
88) 1,4-Dichlorobenzene	12.57	146	438443	72.297	ug/l	98
89) n-Butylbenzene	12.85	91	848196	60.593	ug/l	99
90) Hexachloroethane	12.92	117	225296	64.267	ug/l	97
91) 1,2-Dichlorobenzene	12.94	146	431663	72.701	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	28395	58.854	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	314207	75.365	ug/l	99
94) Hexachlorobutadiene	14.20	225	200689	78.026	ug/l	99
95) Naphthalene	14.46	128	607838	77.118	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	309487	82.641	ug/l	98

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

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