

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111218\
 Data File : VF060689.D
 Acq On : 12 Nov 2018 14:14
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/13/2018 2:11:04 PM

Quant Time: Nov 13 04:27:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	217794	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	372069	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	333639	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	194830	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	124534	56.59	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	113.18%	
35) Dibromofluoromethane	4.09	113	145292	50.54	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	101.08%	
50) Toluene-d8	7.54	98	418820	49.18	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	98.36%	
62) 4-Bromofluorobenzene	11.40	95	189987	51.01	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	102.02%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	133271	59.308	ug/l	98
3) Chloromethane	1.10	50	100559	52.756	ug/l	96
4) Vinyl Chloride	1.14	62	93215	53.070	ug/l	95
5) Bromomethane	1.32	94	57770	58.595	ug/l	96
6) Chloroethane	1.37	64	39925	64.175	ug/l	91
7) Trichlorofluoromethane	1.49	101	204404	62.177	ug/l	93
8) Diethyl Ether	1.62	74	26033	42.727	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.81	101	97774	52.047	ug/l	89
10) Methyl Iodide	1.88	142	168443	54.488	ug/l	97
11) Tert butyl alcohol	2.55	59	24992	215.940	ug/l #	71
12) 1,1-Dichloroethene	1.77	96	79596	50.307	ug/l	85
13) Acrolein	1.99	56	13394	175.539	ug/l	95
14) Allyl chloride	2.09	41	155000	59.996	ug/l	95
15) Acrylonitrile	2.93	53	55275	210.767	ug/l	95
16) Acetone	2.23	43	133679	257.804	ug/l	93
17) Carbon Disulfide	1.81	76	215437m	48.338	ug/l	
18) Methyl Acetate	2.33	43	45008	55.823	ug/l	96
19) Methyl tert-butyl Ether	2.41	73	197690	53.449	ug/l	98
20) Methylene Chloride	2.17	84	85157m	56.050	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	92491	55.720	ug/l	98
22) Diisopropyl ether	2.78	45	278279	50.839	ug/l	94
23) Vinyl Acetate	3.17	43	630298	191.652	ug/l	96
24) 1,1-Dichloroethane	2.86	63	182560	57.629	ug/l	99
25) 2-Butanone	4.31	43	203783	202.914	ug/l	98
26) 2,2-Dichloropropane	3.58	77	136887	57.750	ug/l	97
27) cis-1,2-Dichloroethene	3.46	96	149554	47.196	ug/l	95
28) Bromochloromethane	3.70	49	103511	52.068	ug/l	94
29) Tetrahydrofuran	4.05	42	75273	193.707	ug/l	98
30) Chloroform	3.84	83	266260	53.127	ug/l	99
31) Cyclohexane	3.69	56	195422	44.703	ug/l	99
32) 1,1,1-Trichloroethane	4.08	97	214969	61.413	ug/l	96
36) 1,1-Dichloropropene	4.26	75	198603	48.478	ug/l	99
37) Ethyl Acetate	4.09	43	69191	35.183	ug/l #	62
38) Carbon Tetrachloride	3.97	117	187296m	53.503	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	239741	47.954	ug/l	99
40) Benzene	4.61	78	454047	45.659	ug/l	98
41) Methacrylonitrile	4.72	41	42601	38.252	ug/l #	87
42) 1,2-Dichloroethane	4.92	62	150009	52.559	ug/l	92
43) Isopropyl Acetate	6.94	43	93717	37.674	ug/l #	96
44) Trichloroethene	5.49	130	140170	46.901	ug/l	99
45) 1,2-Dichloropropane	6.21	63	117262	46.107	ug/l	96
46) Dibromomethane	6.07	93	79423	49.225	ug/l	97
47) Bromodichloromethane	6.37	83	203203	52.214	ug/l	94
48) Methyl methacrylate	6.70	41	67206	42.987	ug/l	93
49) 1,4-Dioxane	6.69	88	12119	741.011	ug/l #	77
51) 4-Methyl-2-Pentanone	8.24	43	335736	200.703	ug/l	97
52) Toluene	7.61	92	297050	45.857	ug/l	93
53) t-1,3-Dichloropropene	8.26	75	157726	46.631	ug/l	97
54) cis-1,3-Dichloropropene	7.29	75	206104	48.228	ug/l	97
55) 1,1,2-Trichloroethane	8.48	97	86872	46.086	ug/l	95
56) Ethyl methacrylate	8.61	69	100019	41.241	ug/l	99
57) 1,3-Dichloropropane	8.83	76	148173	44.799	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.61	63	44584	290.801	ug/l	100
59) 2-Hexanone	9.48	43	242207	215.092	ug/l	97
60) Dibromochloromethane	8.70	129	128905	48.897	ug/l	99
61) 1,2-Dibromoethane	8.97	107	90802	45.807	ug/l	92
64) Tetrachloroethene	8.13	164	127032	48.582	ug/l	97
65) Chlorobenzene	9.78	112	331888	48.643	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.92	131	144032	49.960	ug/l	94
67) Ethyl Benzene	9.88	91	626577	50.606	ug/l	98
68) m/p-Xylenes	10.12	106	450494	96.591	ug/l	98
69) o-Xylene	10.70	106	250347	49.158	ug/l	92
70) Styrene	10.78	104	339886	46.067	ug/l	96
71) Bromoform	10.76	173	68255	45.840	ug/l	94
73) Isopropylbenzene	11.11	105	740542	48.738	ug/l	99
74) N-amyl acetate	11.36	43	150149	38.148	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	117824	42.484	ug/l	99
76) 1,2,3-Trichloropropane	11.86	75	57158	41.936	ug/l	95
77) Bromobenzene	11.49	156	150780	45.351	ug/l	87
78) n-propylbenzene	11.59	91	836037	47.028	ug/l	95
79) 2-Chlorotoluene	11.71	91	493329	48.591	ug/l	98
80) 1,3,5-Trimethylbenzene	11.81	105	586097	46.797	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.86	75	45579m	42.550	ug/l	
82) 4-Chlorotoluene	11.89	91	495721	46.800	ug/l	95
83) tert-Butylbenzene	12.12	119	626005	48.927	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	581420	47.405	ug/l	100
85) sec-Butylbenzene	12.30	105	846140	48.074	ug/l	98
86) p-Isopropyltoluene	12.45	119	678891	46.839	ug/l	99
87) 1,3-Dichlorobenzene	12.46	146	302789	46.399	ug/l	97
88) 1,4-Dichlorobenzene	12.55	146	299614	48.406	ug/l	98
89) n-Butylbenzene	12.84	91	699604	49.659	ug/l	98
90) Hexachloroethane	12.91	117	177800	48.237	ug/l	87
91) 1,2-Dichlorobenzene	12.93	146	277691	45.485	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	21218	44.035	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	203424	49.046	ug/l	95
94) Hexachlorobutadiene	14.18	225	140900	52.426	ug/l	98
95) Naphthalene	14.45	128	371566	44.759	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	188928	48.221	ug/l	95

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

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