

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092619\
 Data File : VY000147.D
 Acq On : 26 Sep 2019 12:19
 Operator : SY/MD
 Sample : VSTDIC150
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 10/2/2019 9:13:05 AM

Quant Time: Sep 26 14:23:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y092619S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 26 14:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	198764	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	316739	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	278008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	134078	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	253015	145.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	290.70%	
35) Dibromofluoromethane	7.72	113	252283	152.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	304.18%	
50) Toluene-d8	10.18	98	1073759	152.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	305.94%	
62) 4-Bromofluorobenzene	12.48	95	349745	136.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	273.40%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	188772	119.475	ug/l	96
3) Chloromethane	2.11	50	283466	122.948	ug/l	97
4) Vinyl Chloride	2.24	62	336727	135.938	ug/l	98
5) Bromomethane	2.61	94	209381	125.356	ug/l	97
6) Chloroethane	2.77	64	209999	136.562	ug/l	97
7) Trichlorofluoromethane	3.12	101	403980	135.302	ug/l	98
8) Diethyl Ether	3.52	74	158842	133.436	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.89	101	263727	135.317	ug/l	98
10) Methyl Iodide	4.08	142	451154	150.133	ug/l	99
11) Tert butyl alcohol	4.98	59	107229	616.592	ug/l	95
12) 1,1-Dichloroethene	3.86	96	278526	136.274	ug/l	98
13) Acrolein	3.72	56	158428	733.565	ug/l	95
14) Allyl chloride	4.47	41	359017	140.371	ug/l	98
15) Acrylonitrile	5.17	53	367079	678.051	ug/l	99
17) Carbon Disulfide	4.19	76	852431	134.455	ug/l	99
18) Methyl Acetate	4.48	43	170530	135.093	ug/l	95
19) Methyl tert-butyl Ether	5.22	73	657890	135.966	ug/l	93
20) Methylene Chloride	4.71	84	295423	119.930	ug/l	98
21) trans-1,2-Dichloroethene	5.21	96	308625	135.528	ug/l	92
22) Diisopropyl ether	6.11	45	765806	142.475	ug/l	95
23) Vinyl Acetate	6.07	43	2503104	743.080	ug/l	99
24) 1,1-Dichloroethane	6.02	63	449038	138.004	ug/l	99
25) 2-Butanone	6.99	43	458873	686.659	ug/l	96
26) 2,2-Dichloropropane	6.98	77	397837	134.468	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	342841	135.469	ug/l	97
28) Bromochloromethane	7.33	49	189224	152.642	ug/l	98
29) Tetrahydrofuran	7.35	42	287355	697.520	ug/l	96
30) Chloroform	7.51	83	463448	136.090	ug/l	97
31) Cyclohexane	7.78	56	433800	128.956	ug/l	97
32) 1,1,1-Trichloroethane	7.70	97	417129	139.691	ug/l	99
36) 1,1-Dichloropropene	7.92	75	374337	142.216	ug/l	100
37) Ethyl Acetate	7.08	43	190940	137.321	ug/l	99
38) Carbon Tetrachloride	7.90	117	380858	148.216	ug/l	98
39) Methylcyclohexane	9.18	83	535460	143.425	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.16	78	1181988	142.157	ug/l	100
41) Methacrylonitrile	7.33	41	105820m	140.359	ug/l	
42) 1,2-Dichloroethane	8.24	62	292145	144.408	ug/l	99
43) Isopropyl Acetate	8.28	43	374987	145.994	ug/l	98
44) Trichloroethene	8.94	130	371561	139.839	ug/l	95
45) 1,2-Dichloropropane	9.22	63	267813	146.011	ug/l	94
46) Dibromomethane	9.31	93	156698	139.985	ug/l	96
47) Bromodichloromethane	9.50	83	368868	146.193	ug/l	92
48) Methyl methacrylate	9.30	41	166621	144.869	ug/l	95
49) 1,4-Dioxane	9.30	88	49164	2842.808	ug/l	96
51) 4-Methyl-2-Pentanone	10.07	43	955401	716.644	ug/l	99
52) Toluene	10.24	92	765984	142.250	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	388367	146.531	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	451001	143.586	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	234244	140.734	ug/l	97
56) Ethyl methacrylate	10.51	69	312511	144.341	ug/l	99
57) 1,3-Dichloropropane	10.79	76	375539	140.404	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.78	63	788325	775.206	ug/l	98
59) 2-Hexanone	10.83	43	678403	715.979	ug/l	100
60) Dibromochloromethane	10.99	129	271369	144.227	ug/l	99
61) 1,2-Dibromoethane	11.09	107	222580	140.136	ug/l	100
64) Tetrachloroethene	10.72	164	396427	143.947	ug/l	97
65) Chlorobenzene	11.51	112	822091	142.097	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	281089	143.782	ug/l	99
67) Ethyl Benzene	11.59	91	1411961	142.774	ug/l	98
68) m/p-Xylenes	11.70	106	1126414	281.750	ug/l	96
69) o-Xylene	12.02	106	538631	141.263	ug/l	99
70) Stvrene	12.04	104	936328	145.103	ug/l	99
71) Bromoform	12.20	173	171857	149.596	ug/l	# 98
73) Isopropylbenzene	12.33	105	1392550	143.952	ug/l	99
74) N-amyl acetate	12.14	43	349746	149.364	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	203105	134.884	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	162006m	122.671	ug/l	
77) Bromobenzene	12.61	156	333651	139.615	ug/l	98
78) n-propylbenzene	12.67	91	1641693	142.362	ug/l	100
79) 2-Chlorotoluene	12.75	91	886029	141.211	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	1137907	141.406	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	98209	145.039	ug/l	98
82) 4-Chlorotoluene	12.85	91	934889	143.005	ug/l	98
83) tert-Butylbenzene	13.07	119	970878	140.103	ug/l	99
84) 1,2,4-Trimethylbenzene	13.11	105	1138649	140.016	ug/l	99
85) sec-Butylbenzene	13.25	105	1411822	141.903	ug/l	99
86) p-Isopropyltoluene	13.36	119	1243855	140.390	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	621096	135.641	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	639582	140.320	ug/l	100
89) n-Butylbenzene	13.69	91	1208897	143.574	ug/l	99
90) Hexachloroethane	13.95	117	238726	142.621	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	581298	138.944	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	42806	144.077	ug/l	99
93) 1,2,4-Trichlorobenzene	15.00	180	407473	140.378	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.11	225	206879	146.074	ug/l	98
95) Naphthalene	15.23	128	916698	141.040	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	368526	141.561	ug/l	99

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

