

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092319\
 Data File : VY000125.D
 Acq On : 23 Sep 2019 11:01
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:39:17 AM

Quant Time: Sep 24 05:03:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y092319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 24 04:45:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	113658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	217688	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	189325	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	80202	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	6618	5.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.14%	
35) Dibromofluoromethane	7.72	113	6223	4.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.96%	
50) Toluene-d8	10.18	98	25537	5.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.14%	
62) 4-Bromofluorobenzene	12.48	95	9128	4.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.86%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	5679	5.037	ug/l	100
3) Chloromethane	2.11	50	16237	7.794	ug/l	99
4) Vinyl Chloride	2.25	62	8741	5.002	ug/l #	83
5) Bromomethane	2.64	94	6306	5.826	ug/l	100
6) Chloroethane	2.78	64	6106	5.656	ug/l #	86
7) Trichlorofluoromethane	3.12	101	10153	5.087	ug/l	94
8) Diethyl Ether	3.53	74	4329	5.060	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.90	101	6967	5.264	ug/l #	55
10) Methyl Iodide	4.09	142	6611	3.894	ug/l #	93
11) Tert butyl alcohol	4.96	59	3771	27.957	ug/l	94
12) 1,1-Dichloroethene	3.87	96	6695	4.898	ug/l	86
13) Acrolein	3.73	56	1771	32.315	ug/l	87
14) Allyl chloride	4.48	41	9612	4.982	ug/l	97
15) Acrylonitrile	5.17	53	10701	25.801	ug/l	96
16) Acetone	3.95	43	6943	27.337	ug/l #	84
17) Carbon Disulfide	4.19	76	23514	4.993	ug/l #	95
18) Methyl Acetate	4.48	43	4694	5.045	ug/l #	72
19) Methyl tert-butyl Ether	5.23	73	17121	4.820	ug/l	95
20) Methylene Chloride	4.71	84	9936	5.821	ug/l #	90
21) trans-1,2-Dichloroethene	5.21	96	7326	4.753	ug/l	91
22) Diisopropyl ether	6.12	45	20973	5.098	ug/l #	93
23) Vinyl Acetate	6.06	43	66417	24.226	ug/l	99
24) 1,1-Dichloroethane	6.02	63	12548	5.120	ug/l	98
25) 2-Butanone	6.99	43	12126	25.733	ug/l	93
26) 2,2-Dichloropropane	6.98	77	12945	5.829	ug/l	88
27) cis-1,2-Dichloroethene	6.99	96	8500	4.954	ug/l	88
28) Bromochloromethane	7.33	49	4927	5.145	ug/l #	95
29) Tetrahydrofuran	7.35	42	7733	24.234	ug/l	93
30) Chloroform	7.51	83	12801	5.189	ug/l	92
31) Cyclohexane	7.79	56	14405	5.669	ug/l #	84
32) 1,1,1-Trichloroethane	7.70	97	10450	5.148	ug/l	97
36) 1,1-Dichloropropene	7.92	75	10022	4.972	ug/l	96
37) Ethyl Acetate	7.08	43	5133	4.822	ug/l #	89
38) Carbon Tetrachloride	7.90	117	8191	4.735	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	13803	4.979	ug/l	90
40) Benzene	8.15	78	31056	4.992	ug/l	97
41) Methacrylonitrile	7.31	41	2865	3.392	ug/l #	79
42) 1,2-Dichloroethane	8.23	62	7860	4.955	ug/l	92
43) Isopropyl Acetate	8.27	43	10939	5.138	ug/l #	56
44) Trichloroethene	8.94	130	7577	4.905	ug/l	94
45) 1,2-Dichloropropane	9.21	63	8172	5.439	ug/l	96
46) Dibromomethane	9.31	93	4286	5.129	ug/l	92
47) Bromodichloromethane	9.50	83	9547	4.990	ug/l #	98
48) Methyl methacrylate	9.30	41	4590	5.045	ug/l	90
49) 1,4-Dioxane	9.30	88	1112	84.292	ug/l #	69
51) 4-Methyl-2-Pentanone	10.07	43	26641	24.555	ug/l	99
52) Toluene	10.24	92	19725	5.131	ug/l	98
53) t-1,3-Dichloropropene	10.46	75	10723	5.140	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	11197	4.629	ug/l	92
55) 1,1,2-Trichloroethane	10.65	97	6487	5.421	ug/l #	92
56) Ethyl methacrylate	10.51	69	7969	4.728	ug/l	94
57) 1,3-Dichloropropane	10.79	76	10551	5.072	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	22144	26.609	ug/l	98
59) 2-Hexanone	10.84	43	18675	24.574	ug/l	99
60) Dibromochloromethane	10.98	129	5668	4.532	ug/l	93
61) 1,2-Dibromoethane	11.09	107	5790	5.148	ug/l	99
64) Tetrachloroethene	10.72	164	7882	5.469	ug/l #	83
65) Chlorobenzene	11.51	112	19121	4.975	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	5983	4.845	ug/l	90
67) Ethyl Benzene	11.59	91	35112	5.026	ug/l #	81
68) m/p-Xylenes	11.69	106	26923	9.994	ug/l	97
69) o-Xylene	12.02	106	12800	4.970	ug/l	97
70) Styrene	12.04	104	20302	4.666	ug/l	94
71) Bromoform	12.19	173	3407	4.886	ug/l #	97
73) Isopropylbenzene	12.33	105	32524	5.093	ug/l	95
74) N-amyl acetate	12.14	43	8625	4.846	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.58	83	6680	5.239	ug/l	91
76) 1,2,3-Trichloropropane	12.63	75	4339m	2.701	ug/l	
77) Bromobenzene	12.60	156	6089	4.560	ug/l	75
78) n-propylbenzene	12.67	91	40368	5.111	ug/l	99
79) 2-Chlorotoluene	12.76	91	22359	5.157	ug/l	94
80) 1,3,5-Trimethylbenzene	12.81	105	27282	5.105	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.37	75	2515	4.918	ug/l #	90
82) 4-Chlorotoluene	12.85	91	22935	5.129	ug/l	93
83) tert-Butylbenzene	13.07	119	22193	5.070	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	27515	5.159	ug/l	98
85) sec-Butylbenzene	13.25	105	32803	5.013	ug/l	99
86) p-Isopropyltoluene	13.37	119	27716	4.968	ug/l	96
87) 1,3-Dichlorobenzene	13.36	146	13258	5.074	ug/l	93
88) 1,4-Dichlorobenzene	13.44	146	13658	5.121	ug/l	94
89) n-Butylbenzene	13.69	91	28740	5.022	ug/l	98
90) Hexachloroethane	13.96	117	5681	5.141	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	12917	5.241	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.35	75	1164	4.967	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	8149	5.142	ug/l	99
94) Hexachlorobutadiene	15.10	225	3347	4.752	ug/l	96
95) Naphthalene	15.23	128	20287	5.064	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	6848	4.845	ug/l	94

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

