

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091119\
 Data File : VY000003.D
 Acq On : 11 Sep 2019 16:54
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:51:28 PM

Quant Time: Sep 12 09:04:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 12 08:42:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	155731	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	292218	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	249215	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	107097	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	16505	9.60	ug/l	0.00
Spiked Amount			Recovery	=	19.20%	
35) Dibromofluoromethane	7.71	113	18201	10.56	ug/l	0.00
Spiked Amount			Recovery	=	21.12%	
50) Toluene-d8	10.18	98	67622	9.89	ug/l	0.00
Spiked Amount			Recovery	=	19.78%	
62) 4-Bromofluorobenzene	12.48	95	26620	10.82	ug/l	0.00
Spiked Amount			Recovery	=	21.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	12086	13.782	ug/l	93
3) Chloromethane	2.11	50	24222	21.892	ug/l	97
4) Vinyl Chloride	2.25	62	18409	13.860	ug/l	97
5) Bromomethane	2.63	94	11341	15.598	ug/l	93
6) Chloroethane	2.78	64	12280	15.231	ug/l	95
7) Trichlorofluoromethane	3.11	101	22225	20.872	ug/l	94
8) Diethyl Ether	3.53	74	8670	11.641	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.89	101	14664	10.749	ug/l #	94
10) Methyl Iodide	4.09	142	16467	9.654	ug/l	98
11) Tert butyl alcohol	4.96	59	10724m	76.282	ug/l	
12) 1,1-Dichloroethene	3.87	96	13424	10.367	ug/l #	90
13) Acrolein	3.73	56	8893	63.726	ug/l	85
14) Allyl chloride	4.47	41	22524	8.819	ug/l	99
15) Acrylonitrile	5.17	53	30033	68.127	ug/l	96
16) Acetone	3.95	43	23313	50.845	ug/l	97
17) Carbon Disulfide	4.18	76	27903	10.263	ug/l	99
18) Methyl Acetate	4.48	43	12900	11.480	ug/l	95
19) Methyl tert-butyl Ether	5.22	73	40182	14.606	ug/l	98
20) Methylene Chloride	4.71	84	19470	12.907	ug/l	90
21) trans-1,2-Dichloroethene	5.21	96	15410	11.611	ug/l #	81
22) Diisopropyl ether	6.12	45	47400	9.309	ug/l	94
23) Vinyl Acetate	6.06	43	160953	49.450	ug/l	96
24) 1,1-Dichloroethane	6.02	63	29196	10.486	ug/l	96
25) 2-Butanone	6.99	43	35840	57.163	ug/l	98
26) 2,2-Dichloropropane	6.98	77	24826	13.352	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	20640	13.175	ug/l	95
28) Bromochloromethane	7.33	49	13150	10.137	ug/l	91
29) Tetrahydrofuran	7.35	42	22466	58.321	ug/l	97
30) Chloroform	7.51	83	28678	10.267	ug/l	97
31) Cyclohexane	7.78	56	24723	9.883	ug/l #	83
32) 1,1,1-Trichloroethane	7.70	97	23333	10.309	ug/l	98
36) 1,1-Dichloropropene	7.92	75	20487	8.279	ug/l	97
37) Ethyl Acetate	7.08	43	13865	8.703	ug/l	96
38) Carbon Tetrachloride	7.90	117	18679	7.685	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	25162	8.890	ug/l	92
40) Benzene	8.16	78	67002	9.512	ug/l	97
41) Methacrylonitrile	7.31	41	9113	9.762	ug/l #	89
42) 1,2-Dichloroethane	8.24	62	17953	7.568	ug/l	96
43) Isopropyl Acetate	8.27	43	27132	9.006	ug/l #	91
44) Trichloroethene	8.93	130	16662	9.159	ug/l	99
45) 1,2-Dichloropropane	9.21	63	17510	9.031	ug/l	93
46) Dibromomethane	9.30	93	9246	9.909	ug/l	95
47) Bromodichloromethane	9.49	83	21861	8.688	ug/l #	93
48) Methyl methacrylate	9.29	41	11362	7.908	ug/l	97
49) 1,4-Dioxane	9.30	88	3942	208.449	ug/l #	80
51) 4-Methyl-2-Pentanone	10.07	43	73971	46.352	ug/l	100
52) Toluene	10.24	92	43080	9.780	ug/l	96
53) t-1,3-Dichloropropene	10.46	75	23201	8.916	ug/l	89
54) cis-1,3-Dichloropropene	9.93	75	27496	9.317	ug/l	93
55) 1,1,2-Trichloroethane	10.64	97	14600	10.367	ug/l	96
56) Ethyl methacrylate	10.51	69	21075	10.260	ug/l	99
57) 1,3-Dichloropropane	10.79	76	23183	9.037	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.78	63	61210	55.683	ug/l	100
59) 2-Hexanone	10.83	43	51816	44.448	ug/l	99
60) Dibromochloromethane	10.98	129	15235	9.350	ug/l	95
61) 1,2-Dibromoethane	11.09	107	13475	10.404	ug/l	98
64) Tetrachloroethene	10.71	164	16025	10.786	ug/l	90
65) Chlorobenzene	11.51	112	44759	9.628	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	15895	9.370	ug/l	99
67) Ethyl Benzene	11.59	91	81980	9.489	ug/l	99
68) m/p-Xylenes	11.69	106	62341	19.689	ug/l	100
69) o-Xylene	12.02	106	29851	10.007	ug/l	97
70) Styrene	12.04	104	50218	9.573	ug/l	97
71) Bromoform	12.20	173	9022	9.430	ug/l #	97
73) Isopropylbenzene	12.33	105	79179	10.380	ug/l	99
74) N-amyl acetate	12.14	43	21356	9.001	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	18825	11.894	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	13876m	12.269	ug/l	
77) Bromobenzene	12.60	156	17040	9.921	ug/l	94
78) n-propylbenzene	12.66	91	94884	10.338	ug/l	96
79) 2-Chlorotoluene	12.75	91	54336	10.373	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	65893	10.270	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	6882	12.625	ug/l #	86
82) 4-Chlorotoluene	12.85	91	55542	10.024	ug/l	97
83) tert-Butylbenzene	13.07	119	57963	10.272	ug/l	96
84) 1,2,4-Trimethylbenzene	13.12	105	63041	9.716	ug/l	98
85) sec-Butylbenzene	13.25	105	82880	10.468	ug/l	100
86) p-Isopropyltoluene	13.37	119	69706	9.767	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	33048	9.735	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	32600	9.670	ug/l	93
89) n-Butylbenzene	13.69	91	67647	9.671	ug/l	98
90) Hexachloroethane	13.95	117	14063	11.029	ug/l	97
91) 1,2-Dichlorobenzene	13.73	146	30555	9.970	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.35	75	3552	12.174	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	18186	8.794	ug/l	96
94) Hexachlorobutadiene	15.11	225	9089	6.624	ug/l	96
95) Naphthalene	15.22	128	50558	12.260	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	16828	9.146	ug/l	98

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

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