

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101119\
 Data File : VY000271.D
 Acq On : 11 Oct 2019 15:13
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICSVY101119

Manual Integrations
 APPROVED

MMDadoda
 10/15/2019 12:33:57 PM

Quant Time: Oct 14 08:14:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 08:10:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	292922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	482750	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	425291	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	208496	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	162404	52.56	ug/l	0.00
Spiked Amount						
			Recovery	=	105.12%	
35) Dibromofluoromethane	7.73	113	151860	52.15	ug/l	0.00
Spiked Amount						
			Recovery	=	104.30%	
50) Toluene-d8	10.19	98	631109	56.34	ug/l	0.00
Spiked Amount						
			Recovery	=	112.68%	
62) 4-Bromofluorobenzene	12.48	95	224467	52.75	ug/l	0.00
Spiked Amount						
			Recovery	=	105.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	132092	57.769	ug/l	95
3) Chloromethane	2.12	50	181037	50.577	ug/l	97
4) Vinyl Chloride	2.25	62	196723	54.457	ug/l	97
5) Bromomethane	2.65	94	142729	53.312	ug/l	100
6) Chloroethane	2.79	64	124517	53.422	ug/l	100
7) Trichlorofluoromethane	3.13	101	265821	53.795	ug/l	97
8) Diethyl Ether	3.54	74	90371	51.769	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.90	101	164163	54.781	ug/l	98
10) Methyl Iodide	4.10	142	208283	48.825	ug/l	100
11) Tert butyl alcohol	4.97	59	72712	224.866	ug/l	100
12) 1,1-Dichloroethene	3.88	96	164881	55.732	ug/l	96
13) Acrolein	3.74	56	87515	230.848	ug/l	99
14) Allyl chloride	4.48	41	269802	55.032	ug/l	98
15) Acrylonitrile	5.18	53	243579	249.296	ug/l	99
16) Acetone	3.96	43	263114	262.948	ug/l	95
17) Carbon Disulfide	4.19	76	503187	54.021	ug/l	98
18) Methyl Acetate	4.49	43	117536	47.276	ug/l	95
19) Methyl tert-butyl Ether	5.22	73	428735	52.058	ug/l	99
20) Methylene Chloride	4.72	84	179343	53.584	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	178546	52.603	ug/l	90
22) Diisopropyl ether	6.13	45	575216	55.473	ug/l	97
23) Vinyl Acetate	6.07	43	1829015	270.374	ug/l	98
24) 1,1-Dichloroethane	6.03	63	311357	55.011	ug/l	99
25) 2-Butanone	7.00	43	352005	249.725	ug/l	99
26) 2,2-Dichloropropane	6.99	77	284527	54.555	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	199496	54.317	ug/l	99
28) Bromochloromethane	7.35	49	129296	53.214	ug/l	97
29) Tetrahydrofuran	7.36	42	212493	248.747	ug/l	98
30) Chloroform	7.52	83	311013	54.564	ug/l	98
31) Cyclohexane	7.79	56	315974	53.451	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	280546	55.362	ug/l	99
36) 1,1-Dichloropropene	7.93	75	252947	53.518	ug/l	99
37) Ethyl Acetate	7.08	43	140132	50.072	ug/l	98
38) Carbon Tetrachloride	7.91	117	246823	53.935	ug/l	93

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39) Methylcyclohexane	9.19	83	339718	54.917	ug/l	98
40) Benzene	8.17	78	736355	53.911	ug/l	100
41) Methacrylonitrile	7.32	41	62547m	46.952	ug/l	
42) 1,2-Dichloroethane	8.25	62	198515	50.880	ug/l	99
43) Isopropyl Acetate	8.28	43	266932	50.163	ug/l	98
44) Trichloroethene	8.94	130	198652	51.834	ug/l	99
45) 1,2-Dichloropropane	9.22	63	180128	53.739	ug/l	97
46) Dibromomethane	9.32	93	98010	52.306	ug/l	95
47) Bromodichloromethane	9.50	83	236724	53.606	ug/l	100
48) Methyl methacrylate	9.30	41	118846	50.961	ug/l	98
49) 1,4-Dioxane	9.30	88	27066	963.369	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	683002	248.853	ug/l	100
52) Toluene	10.25	92	472193	54.451	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	255281	53.941	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	293795	54.664	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	142569	52.330	ug/l	98
56) Ethyl methacrylate	10.51	69	206911	53.282	ug/l	100
57) 1,3-Dichloropropane	10.80	76	245563	52.483	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	427447	275.964	ug/l	99
59) 2-Hexanone	10.84	43	505320	262.303	ug/l	100
60) Dibromochloromethane	10.99	129	164564	54.497	ug/l	99
61) 1,2-Dibromoethane	11.09	107	135894	51.949	ug/l	100
64) Tetrachloroethene	10.72	164	204039	50.395	ug/l	96
65) Chlorobenzene	11.52	112	487403	54.304	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	171866	54.510	ug/l	99
67) Ethyl Benzene	11.60	91	920857	55.345	ug/l	99
68) m/p-Xylenes	11.71	106	696887	109.562	ug/l	97
69) o-Xylene	12.03	106	333104	54.896	ug/l	100
70) Styrene	12.05	104	572161	55.911	ug/l	99
71) Bromoform	12.21	173	97405	53.741	ug/l #	99
73) Isopropylbenzene	12.33	105	915341	56.304	ug/l	99
74) N-amyl acetate	12.14	43	228689	57.300	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	165840	54.331	ug/l	96
76) 1,2,3-Trichloropropane	12.64	75	132115m	51.531	ug/l	
77) Bromobenzene	12.61	156	194985	53.899	ug/l	98
78) n-propylbenzene	12.67	91	1108303	56.780	ug/l	99
79) 2-Chlorotoluene	12.76	91	609967	56.585	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	767267	56.284	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	63195	53.931	ug/l	98
82) 4-Chlorotoluene	12.86	91	642609	56.395	ug/l	100
83) tert-Butylbenzene	13.08	119	646260	55.982	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	760160	56.499	ug/l	100
85) sec-Butylbenzene	13.25	105	948524	56.797	ug/l	100
86) p-Isopropyltoluene	13.37	119	835016	57.353	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	390120	54.733	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	392806	55.137	ug/l	97
89) n-Butylbenzene	13.70	91	831178	57.770	ug/l	99
90) Hexachloroethane	13.96	117	154704	57.383	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	349899	54.244	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	29964	51.760	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	235655	52.472	ug/l	98
94) Hexachlorobutadiene	15.11	225	128966	53.064	ug/l	99
95) Naphthalene	15.23	128	524104	52.294	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	211157	52.169	ug/l	97

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

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