

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101519\
 Data File : VY000311.D
 Acq On : 15 Oct 2019 11:23
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:40:18 AM

Quant Time: Oct 15 17:42:35 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	336124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	564756	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	506705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	248186	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	183009	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
35) Dibromofluoromethane	7.73	113	166731	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
50) Toluene-d8	10.19	98	685121	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
62) 4-Bromofluorobenzene	12.48	95	252132	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.91	85	124991	46.800	ug/l 95
3) Chloromethane	2.11	50	190051	46.271	ug/l 96
4) Vinyl Chloride	2.26	62	192862	46.527	ug/l 96
5) Bromomethane	2.65	94	127699	41.568	ug/l 98
6) Chloroethane	2.80	64	127113	47.526	ug/l 99
7) Trichlorofluoromethane	3.13	101	271476	47.878	ug/l 98
8) Diethyl Ether	3.54	74	101883	50.863	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.90	101	168168	48.905	ug/l 98
10) Methyl Iodide	4.10	142	238941	48.813	ug/l 100
11) Tert butyl alcohol	4.97	59	83257	224.383	ug/l 99
12) 1,1-Dichloroethene	3.88	96	166305	48.989	ug/l 98
13) Acrolein	3.74	56	109731	252.246	ug/l 97
14) Allyl chloride	4.49	41	288627	51.305	ug/l 98
15) Acrylonitrile	5.18	53	265533	236.835	ug/l 97
16) Acetone	3.96	43	265226	230.991	ug/l 95
17) Carbon Disulfide	4.20	76	506511	47.388	ug/l 99
18) Methyl Acetate	4.49	43	125786	44.091	ug/l 96
19) Methyl tert-butyl Ether	5.23	73	480789	50.876	ug/l 98
20) Methylene Chloride	4.72	84	194268	50.242	ug/l 99
21) trans-1,2-Dichloroethene	5.22	96	190438	48.895	ug/l 97
22) Diisopropyl ether	6.13	45	629360	52.894	ug/l 95
23) Vinyl Acetate	6.07	43	2007851	258.662	ug/l 100
24) 1,1-Dichloroethane	6.03	63	330715	50.921	ug/l 99
25) 2-Butanone	7.00	43	405174	250.500	ug/l 98
26) 2,2-Dichloropropane	6.99	77	302786	50.594	ug/l 99
27) cis-1,2-Dichloroethene	7.00	96	215027	51.021	ug/l 99
28) Bromochloromethane	7.35	49	141640	50.802	ug/l 99
29) Tetrahydrofuran	7.36	42	235486	240.232	ug/l 99
30) Chloroform	7.52	83	330921	50.595	ug/l 99
31) Cyclohexane	7.79	56	325307	47.957	ug/l 98
32) 1,1,1-Trichloroethane	7.71	97	291378	50.109	ug/l 99
36) 1,1-Dichloropropene	7.93	75	265152	47.954	ug/l 98
37) Ethyl Acetate	7.08	43	154003	47.038	ug/l 100
38) Carbon Tetrachloride	7.91	117	254415	47.522	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	349635	48.313	ug/l	97
40) Benzene	8.17	78	779557	48.786	ug/l	99
41) Methacrylonitrile	7.33	41	94132m	60.401	ug/l	
42) 1,2-Dichloroethane	8.25	62	224984	49.291	ug/l	98
43) Isopropyl Acetate	8.28	43	302243	48.551	ug/l	99
44) Trichloroethene	8.95	130	208258	46.450	ug/l	97
45) 1,2-Dichloropropane	9.22	63	197748	50.429	ug/l	94
46) Dibromomethane	9.31	93	107036	48.828	ug/l	96
47) Bromodichloromethane	9.50	83	259318	50.196	ug/l	100
48) Methyl methacrylate	9.30	41	131613	48.241	ug/l	97
49) 1,4-Dioxane	9.31	88	27725	843.532	ug/l	94
51) 4-Methyl-2-Pentanone	10.08	43	800551	249.328	ug/l	98
52) Toluene	10.25	92	499634	49.249	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	280593	50.680	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	321539	51.139	ug/l	94
55) 1,1,2-Trichloroethane	10.65	97	156851	49.212	ug/l	96
56) Ethyl methacrylate	10.52	69	233914	51.489	ug/l	99
57) 1,3-Dichloropropane	10.80	76	276990	50.604	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	459084	253.352	ug/l	98
59) 2-Hexanone	10.84	43	609613	270.491	ug/l	99
60) Dibromochloromethane	10.99	129	178639	50.568	ug/l	98
61) 1,2-Dibromoethane	11.09	107	151305	49.442	ug/l	100
64) Tetrachloroethene	10.72	164	222503	46.125	ug/l	95
65) Chlorobenzene	11.52	112	522672	48.877	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	186951	49.768	ug/l	100
67) Ethyl Benzene	11.59	91	980271	49.449	ug/l	99
68) m/p-Xylenes	11.70	106	736371	97.168	ug/l	95
69) o-Xylene	12.03	106	351856	48.670	ug/l	99
70) Styrene	12.05	104	616104	50.532	ug/l	99
71) Bromoform	12.21	173	108316	50.159	ug/l #	100
73) Isopropylbenzene	12.33	105	963799	49.804	ug/l	100
74) N-amyl acetate	12.14	43	279202	58.769	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	183139	50.404	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	147333m	48.277	ug/l	
77) Bromobenzene	12.61	156	208010	48.304	ug/l	97
78) n-propylbenzene	12.67	91	1156858	49.790	ug/l	99
79) 2-Chlorotoluene	12.76	91	648463	50.536	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	811405	50.003	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	69937	50.140	ug/l	98
82) 4-Chlorotoluene	12.86	91	690455	50.904	ug/l	99
83) tert-Butylbenzene	13.08	119	676386	49.221	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	799526	49.922	ug/l	100
85) sec-Butylbenzene	13.25	105	998242	50.215	ug/l	100
86) p-Isopropyltoluene	13.37	119	866492	49.997	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	411719	48.526	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	413468	48.756	ug/l	100
89) n-Butylbenzene	13.70	91	859801	50.203	ug/l	98
90) Hexachloroethane	13.96	117	161923	50.456	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	374800	48.813	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	32291	46.859	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	252624	47.255	ug/l	100
94) Hexachlorobutadiene	15.11	225	128573	44.442	ug/l	99
95) Naphthalene	15.23	128	571358	47.892	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	227697	47.259	ug/l	99

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

