

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101119\
 Data File : VY000268.D
 Acq On : 11 Oct 2019 13:53
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 10/15/2019 12:33:45 PM

Quant Time: Oct 14 07:24:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 07:12:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	271722	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	445261	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	392933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	197954	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	146702	51.18	ug/l	0.00
Spiked Amount			Recovery	=	102.36%	
35) Dibromofluoromethane	7.73	113	133782	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	
50) Toluene-d8	10.19	98	546861	52.93	ug/l	0.00
Spiked Amount			Recovery	=	105.86%	
62) 4-Bromofluorobenzene	12.49	95	194263	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	107759	44.479	ug/l	100
3) Chloromethane	2.12	50	155332	46.782	ug/l	100
4) Vinyl Chloride	2.25	62	158723	47.366	ug/l	100
5) Bromomethane	2.65	94	106861	42.529	ug/l	100
6) Chloroethane	2.79	64	104940	48.536	ug/l	100
7) Trichlorofluoromethane	3.13	101	221390	48.299	ug/l	100
8) Diethyl Ether	3.54	74	77378	47.785	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.90	101	134996	48.563	ug/l	100
10) Methyl Iodide	4.10	142	202595	55.831	ug/l	100
11) Tert butyl alcohol	4.97	59	75691	252.236	ug/l	100
12) 1,1-Dichloroethene	3.88	96	134355	48.957	ug/l	100
13) Acrolein	3.74	56	89034	253.178	ug/l	100
14) Allyl chloride	4.49	41	220066	48.389	ug/l	100
15) Acrylonitrile	5.18	53	230033	253.801	ug/l	100
16) Acetone	3.96	43	253577	273.189	ug/l	100
17) Carbon Disulfide	4.20	76	414854	48.012	ug/l	100
18) Methyl Acetate	4.49	43	106171	46.036	ug/l	100
19) Methyl tert-butyl Ether	5.24	73	373986	48.954	ug/l	100
20) Methylene Chloride	4.72	84	153716	40.384	ug/l	100
21) trans-1,2-Dichloroethene	5.22	96	151898	48.244	ug/l	100
22) Diisopropyl ether	6.13	45	474533	49.334	ug/l	100
23) Vinyl Acetate	6.08	43	1602573	255.384	ug/l	100
24) 1,1-Dichloroethane	6.04	63	257159	48.980	ug/l	100
25) 2-Butanone	7.00	43	341032	260.817	ug/l	100
26) 2,2-Dichloropropane	6.99	77	231939	47.942	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	166377	48.834	ug/l	100
28) Bromochloromethane	7.35	49	114214	50.674	ug/l	100
29) Tetrahydrofuran	7.36	42	203122	256.329	ug/l	100
30) Chloroform	7.52	83	262913	49.724	ug/l	100
31) Cyclohexane	7.80	56	258432	47.128	ug/l	100
32) 1,1,1-Trichloroethane	7.72	97	234915	49.974	ug/l	100
36) 1,1-Dichloropropene	7.93	75	208424	47.810	ug/l	100
37) Ethyl Acetate	7.09	43	130084	50.395	ug/l	100
38) Carbon Tetrachloride	7.91	117	206805	48.995	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	278308	48.778	ug/l	100
40) Benzene	8.18	78	615796	48.880	ug/l	100
41) Methacrylonitrile	7.33	41	61130m	53.917	ug/l	
42) 1,2-Dichloroethane	8.25	62	177280	49.263	ug/l	100
43) Isopropyl Acetate	8.29	43	249189	50.771	ug/l	100
44) Trichloroethene	8.95	130	173741	49.151	ug/l	100
45) 1,2-Dichloropropane	9.23	63	153626	49.691	ug/l	100
46) Dibromomethane	9.32	93	85040	49.205	ug/l	100
47) Bromodichloromethane	9.51	83	202691	49.764	ug/l	100
48) Methyl methacrylate	9.30	41	109446	50.882	ug/l	100
49) 1,4-Dioxane	9.31	88	26776	1033.289	ug/l	100
51) 4-Methyl-2-Pentanone	10.08	43	655356	258.884	ug/l	100
52) Toluene	10.25	92	392847	49.115	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	219899	50.377	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	250758	50.585	ug/l	100
55) 1,1,2-Trichloroethane	10.65	97	121807	48.473	ug/l	100
56) Ethyl methacrylate	10.52	69	185111	51.682	ug/l	100
57) 1,3-Dichloropropane	10.80	76	216432	50.152	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	353611	247.516	ug/l	100
59) 2-Hexanone	10.84	43	469560	264.263	ug/l	100
60) Dibromochloromethane	10.99	129	140086	50.297	ug/l	100
61) 1,2-Dibromoethane	11.10	107	121381	50.308	ug/l	100
64) Tetrachloroethene	10.72	164	185579	49.610	ug/l	100
65) Chlorobenzene	11.52	112	410681	49.524	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	146504	50.293	ug/l	100
67) Ethyl Benzene	11.60	91	770696	50.134	ug/l	100
68) m/p-Xylenes	11.70	106	590241	100.437	ug/l	100
69) o-Xylene	12.03	106	278814	49.733	ug/l	100
70) Styrene	12.05	104	478290	50.587	ug/l	100
71) Bromoform	12.21	173	88561	52.885	ug/l #	100
73) Isopropylbenzene	12.33	105	756697	49.024	ug/l	100
74) N-amyl acetate	12.14	43	203938	53.819	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	143525	49.525	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	127088m	32.115	ug/l	
77) Bromobenzene	12.61	156	165977	48.324	ug/l	100
78) n-propylbenzene	12.67	91	918731	49.575	ug/l	100
79) 2-Chlorotoluene	12.76	91	507665	49.602	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	639858	49.437	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	58611	52.683	ug/l	100
82) 4-Chlorotoluene	12.86	91	537636	49.696	ug/l	100
83) tert-Butylbenzene	13.08	119	542425	49.489	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	638671	49.998	ug/l	100
85) sec-Butylbenzene	13.25	105	799916	50.450	ug/l	100
86) p-Isopropyltoluene	13.37	119	702848	50.846	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	328826	48.591	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	330568	48.872	ug/l	100
89) n-Butylbenzene	13.70	91	692967	50.729	ug/l	100
90) Hexachloroethane	13.96	117	131027	51.189	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	310288	50.665	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	27331	49.726	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	205995	48.311	ug/l	100
94) Hexachlorobutadiene	15.11	225	113193	49.054	ug/l	100
95) Naphthalene	15.23	128	468324	49.217	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	187133	48.696	ug/l	100

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

