

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101119\
 Data File : VY000264.D
 Acq On : 11 Oct 2019 11:50
 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
 10/15/2019 12:33:27 PM

Quant Time: Oct 14 07:41:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 07:29:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	654642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	1007266	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	901729	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	467230	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	257187	37.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.48%	
35) Dibromofluoromethane	7.73	113	270230	44.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.96%	
50) Toluene-d8	10.19	98	1150113	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
62) 4-Bromofluorobenzene	12.49	95	401040	45.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	204510	38.553	ug/l	98
3) Chloromethane	2.12	50	300973	37.624	ug/l	99
4) Vinyl Chloride	2.26	62	332431	41.177	ug/l	100
5) Bromomethane	2.65	94	222050	42.814	ug/l	95
6) Chloroethane	2.80	64	216074	41.480	ug/l	100
7) Trichlorofluoromethane	3.13	101	422002	38.213	ug/l	97
8) Diethyl Ether	3.54	74	162099	41.550	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.91	101	274836	41.037	ug/l	94
10) Methyl Iodide	4.10	142	433578	45.559	ug/l	94
11) Tert butyl alcohol	4.97	59	133657	184.951	ug/l	99
12) 1,1-Dichloroethene	3.88	96	285420	43.169	ug/l	93
13) Acrolein	3.74	56	162323	191.589	ug/l	100
14) Allyl chloride	4.49	41	432364	39.461	ug/l	95
15) Acrylonitrile	5.18	53	443726	203.207	ug/l	100
16) Acetone	3.96	43	529635	236.838	ug/l	94
17) Carbon Disulfide	4.20	76	869841	41.785	ug/l	99
18) Methyl Acetate	4.49	43	201743	36.309	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	713696	38.776	ug/l	99
20) Methylene Chloride	4.72	84	321922	41.837	ug/l	92
21) trans-1,2-Dichloroethene	5.22	96	323719	42.675	ug/l	95
22) Diisopropyl ether	6.13	45	907264	39.150	ug/l	92
23) Vinyl Acetate	6.07	43	2972781	196.634	ug/l	96
24) 1,1-Dichloroethane	6.03	63	503754	39.825	ug/l	96
25) 2-Butanone	7.00	43	666127	211.455	ug/l	97
26) 2,2-Dichloropropane	6.99	77	448854	38.509	ug/l	96
27) cis-1,2-Dichloroethene	7.00	96	359344	43.778	ug/l	92
28) Bromochloromethane	7.35	49	220510	40.609	ug/l	86
29) Tetrahydrofuran	7.36	42	368591	193.066	ug/l	94
30) Chloroform	7.52	83	504643	39.615	ug/l	98
31) Cyclohexane	7.79	56	507402	38.406	ug/l	93
32) 1,1,1-Trichloroethane	7.71	97	450451	39.775	ug/l	98
36) 1,1-Dichloropropene	7.92	75	419365	42.524	ug/l	98
37) Ethyl Acetate	7.09	43	237066	40.598	ug/l	98
38) Carbon Tetrachloride	7.91	117	404825	42.397	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	576230	44.644	ug/l	94
40) Benzene	8.17	78	1286766	45.151	ug/l	98
41) Methacrylonitrile	7.33	41	121587m	43.744	ug/l	
42) 1,2-Dichloroethane	8.25	62	310267	38.112	ug/l	95
43) Isopropyl Acetate	8.28	43	443062	39.905	ug/l	96
44) Trichloroethene	8.95	130	373199	46.670	ug/l	96
45) 1,2-Dichloropropane	9.22	63	304225	43.499	ug/l	98
46) Dibromomethane	9.31	93	171100	43.763	ug/l	93
47) Bromodichloromethane	9.50	83	391459	42.485	ug/l	98
48) Methyl methacrylate	9.30	41	197304	40.548	ug/l	91
49) 1,4-Dioxane	9.31	88	51624	880.640	ug/l #	95
51) 4-Methyl-2-Pentanone	10.08	43	1161088	202.751	ug/l	95
52) Toluene	10.25	92	843144	46.598	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	429921	43.538	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	496259	44.253	ug/l	92
55) 1,1,2-Trichloroethane	10.65	97	259661	45.678	ug/l	97
56) Ethyl methacrylate	10.52	69	358936	44.299	ug/l	92
57) 1,3-Dichloropropane	10.80	76	436256	44.687	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	809477	250.469	ug/l	96
59) 2-Hexanone	10.84	43	859281	213.772	ug/l	94
60) Dibromochloromethane	10.99	129	300859	47.750	ug/l	98
61) 1,2-Dibromoethane	11.10	107	256898	47.067	ug/l	99
64) Tetrachloroethene	10.72	164	419488	48.865	ug/l	98
65) Chlorobenzene	11.52	112	905661	47.590	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	313547	46.903	ug/l	98
67) Ethyl Benzene	11.60	91	1604014	45.468	ug/l	97
68) m/p-Xylenes	11.70	106	1271383	94.272	ug/l	95
69) o-Xylene	12.03	106	601243	46.733	ug/l	93
70) Styrene	12.05	104	1032239	47.574	ug/l	96
71) Bromoform	12.21	173	201027	52.310	ug/l #	99
73) Isopropylbenzene	12.33	105	1622484	44.535	ug/l	97
74) N-amyl acetate	12.14	43	323195	36.136	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.58	83	302287	44.192	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	209025m	36.382	ug/l	
77) Bromobenzene	12.61	156	386529	47.679	ug/l	87
78) n-propylbenzene	12.67	91	1906564	43.587	ug/l	97
79) 2-Chlorotoluene	12.76	91	1047713	43.371	ug/l	95
80) 1,3,5-Trimethylbenzene	12.81	105	1330337	43.548	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.38	75	119591	45.543	ug/l	89
82) 4-Chlorotoluene	12.86	91	1109927	43.467	ug/l	95
83) tert-Butylbenzene	13.08	119	1153969	44.607	ug/l	96
84) 1,2,4-Trimethylbenzene	13.13	105	1328679	44.068	ug/l	96
85) sec-Butylbenzene	13.25	105	1675866	44.780	ug/l	97
86) p-Isopropyltoluene	13.37	119	1502983	46.066	ug/l	97
87) 1,3-Dichlorobenzene	13.37	146	757365	47.416	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	757969	47.477	ug/l	97
89) n-Butylbenzene	13.70	91	1405934	43.605	ug/l	97
90) Hexachloroethane	13.96	117	277933	46.003	ug/l	88
91) 1,2-Dichlorobenzene	13.74	146	691302	47.824	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	52923	40.795	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	495119	49.196	ug/l	97
94) Hexachlorobutadiene	15.11	225	271095	49.775	ug/l	98
95) Naphthalene	15.23	128	1007021	44.838	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	436681	48.144	ug/l	97

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

