

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111819\
 Data File : VY000735.D
 Acq On : 18 Nov 2019 18:16
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDADODA
 11/19/2019 12:21:25 PM

Quant Time: Nov 18 18:34:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	206894	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	351688	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	329095	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	167729	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	118912	55.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.08%	
35) Dibromofluoromethane	7.73	113	107112	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
50) Toluene-d8	10.18	98	423839	54.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.20%	
62) 4-Bromofluorobenzene	12.48	95	157334	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	98339	48.285	ug/l	99
3) Chloromethane	2.12	50	123983	44.191	ug/l	94
4) Vinyl Chloride	2.25	62	123513	47.407	ug/l	98
5) Bromomethane	2.65	94	85153	54.504	ug/l	97
6) Chloroethane	2.79	64	81894	50.224	ug/l	97
7) Trichlorofluoromethane	3.13	101	180726	51.365	ug/l	97
8) Diethyl Ether	3.54	74	66921	53.528	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.90	101	108283	50.905	ug/l	97
10) Methyl Iodide	4.10	142	118675	42.873	ug/l	98
11) Tert butyl alcohol	4.96	59	54159	259.854	ug/l	99
12) 1,1-Dichloroethene	3.88	96	102141	49.424	ug/l	98
13) Acrolein	3.74	56	34099	187.825	ug/l	93
14) Allyl chloride	4.49	41	170924	50.863	ug/l	97
15) Acrylonitrile	5.18	53	177791	277.609	ug/l	99
16) Acetone	3.96	43	131827	223.395	ug/l	99
17) Carbon Disulfide	4.20	76	306358	47.000	ug/l	100
18) Methyl Acetate	4.49	43	102303	55.756	ug/l	97
19) Methyl tert-butyl Ether	5.23	73	311552	54.220	ug/l	97
20) Methylene Chloride	4.72	84	123023	48.654	ug/l	98
21) trans-1,2-Dichloroethene	5.23	96	118737	50.820	ug/l	96
22) Diisopropyl ether	6.13	45	411169	56.293	ug/l	98
23) Vinyl Acetate	6.07	43	1301597	282.295	ug/l	98
24) 1,1-Dichloroethane	6.03	63	211581	53.470	ug/l	99
25) 2-Butanone	7.00	43	235103	249.639	ug/l	99
26) 2,2-Dichloropropane	6.99	77	176932	48.928	ug/l	97
27) cis-1,2-Dichloroethene	7.00	96	135965	53.220	ug/l	99
28) Bromochloromethane	7.35	49	98453	54.183	ug/l	98
29) Tetrahydrofuran	7.36	42	165555	287.351	ug/l	98
30) Chloroform	7.52	83	221010	55.212	ug/l	98
31) Cyclohexane	7.79	56	195978	47.287	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	189510	53.121	ug/l	98
36) 1,1-Dichloropropene	7.92	75	168387	50.647	ug/l	99
37) Ethyl Acetate	7.08	43	105958	53.680	ug/l	98
38) Carbon Tetrachloride	7.91	117	160580	50.195	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	209200	48.705	ug/l	94
40) Benzene	8.17	78	499693	51.265	ug/l	99
41) Methacrylonitrile	7.33	41	57118m	51.871	ug/l	
42) 1,2-Dichloroethane	8.25	62	150734	54.524	ug/l	99
43) Isopropyl Acetate	8.28	43	202443	54.597	ug/l	99
44) Trichloroethene	8.94	130	129785	50.501	ug/l	99
45) 1,2-Dichloropropane	9.22	63	127810	53.277	ug/l	98
46) Dibromomethane	9.31	93	70421	53.376	ug/l	99
47) Bromodichloromethane	9.50	83	171139	54.667	ug/l	97
48) Methyl methacrylate	9.30	41	91386	56.408	ug/l	96
49) 1,4-Dioxane	9.30	88	19151	1078.542	ug/l	97
51) 4-Methyl-2-Pentanone	10.07	43	554868	281.456	ug/l	99
52) Toluene	10.25	92	318396	51.667	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	184713	55.221	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	207607	54.177	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	104208	54.609	ug/l	97
56) Ethyl methacrylate	10.51	69	153925	56.911	ug/l	99
57) 1,3-Dichloropropane	10.79	76	181019	54.199	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.78	63	323229	264.347	ug/l	99
59) 2-Hexanone	10.83	43	380230	264.717	ug/l	100
60) Dibromochloromethane	10.99	129	118254	54.102	ug/l	100
61) 1,2-Dibromoethane	11.09	107	100419	54.730	ug/l	99
64) Tetrachloroethene	10.72	164	132878	48.830	ug/l	97
65) Chlorobenzene	11.52	112	335544	50.289	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	122257	52.832	ug/l	99
67) Ethyl Benzene	11.59	91	624136	50.825	ug/l	99
68) m/p-Xylenes	11.70	106	480616	101.122	ug/l	97
69) o-Xylene	12.03	106	229857	51.458	ug/l	96
70) Styrene	12.04	104	398870	52.147	ug/l	100
71) Bromoform	12.20	173	71816	53.957	ug/l #	99
73) Isopropylbenzene	12.33	105	617616	49.822	ug/l	100
74) N-amyl acetate	12.14	43	193133	54.399	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	130363	53.112	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	111024m	58.133	ug/l	
77) Bromobenzene	12.61	156	138054	49.110	ug/l	95
78) n-propylbenzene	12.67	91	756308	50.564	ug/l	100
79) 2-Chlorotoluene	12.75	91	418680	50.421	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	527020	51.046	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	44909	52.723	ug/l	97
82) 4-Chlorotoluene	12.85	91	440514	51.178	ug/l	99
83) tert-Butylbenzene	13.07	119	449838	51.029	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	530417	51.599	ug/l	99
85) sec-Butylbenzene	13.25	105	643835	51.263	ug/l	100
86) p-Isopropyltoluene	13.37	119	571335	51.041	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	277775	50.448	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	282252	51.299	ug/l	98
89) n-Butylbenzene	13.69	91	573479	51.945	ug/l	100
90) Hexachloroethane	13.96	117	104223	50.365	ug/l	97
91) 1,2-Dichlorobenzene	13.73	146	260648	52.174	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	22300	51.335	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	166176	48.852	ug/l	97
94) Hexachlorobutadiene	15.11	225	84037	47.926	ug/l	100
95) Naphthalene	15.23	128	389311	51.555	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	154371	50.584	ug/l	99

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

