

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY110619\
 Data File : VY000565.D
 Acq On : 06 Nov 2019 20:41
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/8/2019 10:38:59 AM

Quant Time: Nov 07 06:26:49 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	272055	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	475751	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	435515	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	209740	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	159251	56.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.12%	
35) Dibromofluoromethane	7.73	113	145890	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
50) Toluene-d8	10.18	98	591673	55.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.66%	
62) 4-Bromofluorobenzene	12.48	95	216625	53.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.38%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.90	85	134502	50.223	ug/l	100
3) Chloromethane	2.11	50	182388	49.438	ug/l	99
4) Vinyl Chloride	2.25	62	173283	50.580	ug/l	100
5) Bromomethane	2.65	94	112046	54.540	ug/l	93
6) Chloroethane	2.80	64	108348	50.532	ug/l	98
7) Trichlorofluoromethane	3.13	101	230664	49.856	ug/l	99
8) Diethyl Ether	3.54	74	84393	51.336	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.90	101	139651	49.927	ug/l	96
10) Methyl Iodide	4.10	142	156636	43.021	ug/l	98
11) Tert butyl alcohol	4.96	59	60376	220.300	ug/l	98
12) 1,1-Dichloroethene	3.88	96	136035	50.058	ug/l	96
13) Acrolein	3.74	56	62853	263.287	ug/l	98
14) Allyl chloride	4.49	41	244482	55.327	ug/l	98
15) Acrylonitrile	5.18	53	204819	243.212	ug/l	99
16) Acetone	3.96	43	164659	212.200	ug/l	95
17) Carbon Disulfide	4.20	76	424099	49.480	ug/l	98
18) Methyl Acetate	4.49	43	118532	49.128	ug/l	97
19) Methyl tert-butyl Ether	5.23	73	386307	51.127	ug/l	93
20) Methylene Chloride	4.72	84	159890	48.088	ug/l	98
21) trans-1,2-Dichloroethene	5.23	96	159799	52.014	ug/l	98
22) Diisopropyl ether	6.13	45	538872	56.106	ug/l	94
23) Vinyl Acetate	6.07	43	1583489	261.176	ug/l	99
24) 1,1-Dichloroethane	6.03	63	284512	54.680	ug/l	98
25) 2-Butanone	7.00	43	282364	228.010	ug/l	99
26) 2,2-Dichloropropane	6.99	77	240088	50.491	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	178231	53.054	ug/l	98
28) Bromochloromethane	7.35	49	130199	54.468	ug/l	96
29) Tetrahydrofuran	7.36	42	183162	241.767	ug/l	99
30) Chloroform	7.52	83	281241	53.431	ug/l	96
31) Cyclohexane	7.79	56	270134	49.568	ug/l	93
32) 1,1,1-Trichloroethane	7.71	97	244903	52.206	ug/l	99
36) 1,1-Dichloropropene	7.93	75	219946	48.904	ug/l	98
37) Ethyl Acetate	7.08	43	121584	45.534	ug/l	98
38) Carbon Tetrachloride	7.91	117	209612	48.436	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	280451	48.267	ug/l	96
40) Benzene	8.17	78	658434	49.935	ug/l	99
41) Methacrylonitrile	7.34	41	79908m	53.644	ug/l	
42) 1,2-Dichloroethane	8.25	62	188917	50.515	ug/l	99
43) Isopropyl Acetate	8.28	43	237849	47.418	ug/l	99
44) Trichloroethene	8.95	130	170147	48.941	ug/l	96
45) 1,2-Dichloropropane	9.22	63	167381	51.577	ug/l	98
46) Dibromomethane	9.31	93	85630	47.978	ug/l	99
47) Bromodichloromethane	9.50	83	219270	51.777	ug/l	97
48) Methyl methacrylate	9.30	41	105799	48.275	ug/l	96
49) 1,4-Dioxane	9.30	88	23082	960.941	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	624620	234.215	ug/l	99
52) Toluene	10.25	92	418604	50.214	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	231745	51.215	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	266114	51.336	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	127073	49.226	ug/l	94
56) Ethyl methacrylate	10.51	69	185700	50.755	ug/l	98
57) 1,3-Dichloropropane	10.79	76	228575	50.591	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	411165	248.575	ug/l	97
59) 2-Hexanone	10.83	43	434783	223.761	ug/l	100
60) Dibromochloromethane	10.99	129	146491	49.543	ug/l	99
61) 1,2-Dibromoethane	11.09	107	119708	48.230	ug/l	96
64) Tetrachloroethene	10.72	164	168539	46.801	ug/l	97
65) Chlorobenzene	11.52	112	433369	49.079	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	151184	49.368	ug/l	99
67) Ethyl Benzene	11.59	91	812252	49.982	ug/l	99
68) m/p-Xylenes	11.70	106	620908	98.717	ug/l	97
69) o-Xylene	12.03	106	289081	48.903	ug/l	98
70) Styrene	12.04	104	508428	50.228	ug/l	99
71) Bromoform	12.20	173	83318	47.303	ug/l #	99
73) Isopropylbenzene	12.33	105	792804	51.144	ug/l	100
74) N-amyl acetate	12.14	43	222675	50.157	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	146664	47.784	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	105913m	44.349	ug/l	
77) Bromobenzene	12.61	156	174742	49.710	ug/l	95
78) n-propylbenzene	12.67	91	975138	52.136	ug/l	98
79) 2-Chlorotoluene	12.75	91	534548	51.481	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	670433	51.930	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	53406	50.140	ug/l	95
82) 4-Chlorotoluene	12.85	91	566794	52.660	ug/l	97
83) tert-Butylbenzene	13.07	119	571742	51.867	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	676387	52.620	ug/l	98
85) sec-Butylbenzene	13.25	105	819273	52.166	ug/l	99
86) p-Isopropyltoluene	13.37	119	710870	50.787	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	342799	49.787	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	338125	49.144	ug/l	98
89) n-Butylbenzene	13.69	91	707912	51.278	ug/l	99
90) Hexachloroethane	13.95	117	135162	52.233	ug/l	96
91) 1,2-Dichlorobenzene	13.74	146	312174	49.971	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	25094	46.197	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	199073	46.801	ug/l	99
94) Hexachlorobutadiene	15.11	225	105254	48.003	ug/l	98
95) Naphthalene	15.23	128	444556	47.079	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	180095	47.193	ug/l	97

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

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