

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091919\
 Data File : VY000094.D
 Acq On : 19 Sep 2019 21:44
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 5:30:36 AM

Quant Time: Sep 20 04:19:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 05:38:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	83690	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	173790	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	158083	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	71694	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	59096	61.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.76%	
35) Dibromofluoromethane	7.72	113	55425	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	
50) Toluene-d8	10.18	98	214297	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
62) 4-Bromofluorobenzene	12.48	95	78470	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	29273	50.786	ug/l	100
3) Chloromethane	2.11	50	35199	45.861	ug/l #	88
4) Vinyl Chloride	2.25	62	39737	42.553	ug/l	99
5) Bromomethane	2.64	94	29817	51.964	ug/l	83
6) Chloroethane	2.79	64	29583	47.261	ug/l	94
7) Trichlorofluoromethane	3.12	101	58394	45.226	ug/l	94
8) Diethyl Ether	3.53	74	34742	62.843	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.90	101	44186	49.882	ug/l	97
10) Methyl Iodide	4.09	142	45266	49.139	ug/l	99
11) Tert butyl alcohol	4.97	59	32635	285.901	ug/l	99
12) 1,1-Dichloroethene	3.87	96	39377	48.222	ug/l	92
13) Acrolein	3.73	56	10483	176.192	ug/l	91
14) Allyl chloride	4.48	41	64905	52.005	ug/l	99
15) Acrylonitrile	5.17	53	97742	294.838	ug/l	100
16) Acetone	3.95	43	61033	272.243	ug/l	100
17) Carbon Disulfide	4.20	76	68351	47.412	ug/l #	92
18) Methyl Acetate	4.48	43	43848	58.543	ug/l	94
19) Methyl tert-butyl Ether	5.23	73	159789	62.617	ug/l	97
20) Methylene Chloride	4.71	84	64575	61.231	ug/l	93
21) trans-1,2-Dichloroethene	5.22	96	46559	51.292	ug/l	92
22) Diisopropyl ether	6.12	45	172758	61.266	ug/l	96
23) Vinyl Acetate	6.07	43	560633	297.066	ug/l	96
24) 1,1-Dichloroethane	6.02	63	92798	55.602	ug/l	96
25) 2-Butanone	6.99	43	111888	275.547	ug/l	94
26) 2,2-Dichloropropane	6.99	77	71736	45.545	ug/l	97
27) cis-1,2-Dichloroethene	6.99	96	62776	54.621	ug/l	98
28) Bromochloromethane	7.34	49	48667	62.908	ug/l	93
29) Tetrahydrofuran	7.35	42	69877	286.655	ug/l	99
30) Chloroform	7.51	83	96775	56.188	ug/l	90
31) Cyclohexane	7.78	56	59718	50.467	ug/l	93
32) 1,1,1-Trichloroethane	7.71	97	74069	52.946	ug/l	98
36) 1,1-Dichloropropene	7.92	75	58091	44.703	ug/l	98
37) Ethyl Acetate	7.08	43	48076	55.503	ug/l	96
38) Carbon Tetrachloride	7.90	117	59015	48.118	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	71780	44.922	ug/l	97
40) Benzene	8.16	78	219489	51.139	ug/l	95
41) Methacrylonitrile	7.31	41	28004m	45.268	ug/l	
42) 1,2-Dichloroethane	8.24	62	64509	56.743	ug/l	99
43) Isopropyl Acetate	8.28	43	95860	56.587	ug/l	98
44) Trichloroethene	8.94	130	52484	47.866	ug/l	99
45) 1,2-Dichloropropane	9.22	63	59747	53.738	ug/l	94
46) Dibromomethane	9.31	93	33072	54.458	ug/l	98
47) Bromodichloromethane	9.49	83	80886	54.888	ug/l	94
48) Methyl methacrylate	9.29	41	41457	55.646	ug/l	100
49) 1,4-Dioxane	9.30	88	11818	1002.303	ug/l #	94
51) 4-Methyl-2-Pentanone	10.07	43	257012	277.876	ug/l	99
52) Toluene	10.24	92	137303	50.352	ug/l	97
53) t-1,3-Dichloropropene	10.46	75	85380	54.643	ug/l	93
54) cis-1,3-Dichloropropene	9.93	75	96219	53.326	ug/l	96
55) 1,1,2-Trichloroethane	10.65	97	53763	56.468	ug/l	99
56) Ethyl methacrylate	10.51	69	75787	55.939	ug/l	99
57) 1,3-Dichloropropane	10.79	76	87856	54.933	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	218929	298.932	ug/l	99
59) 2-Hexanone	10.84	43	176103	266.885	ug/l	99
60) Dibromochloromethane	10.98	129	56868	57.013	ug/l	97
61) 1,2-Dibromoethane	11.09	107	49182	56.555	ug/l	99
64) Tetrachloroethene	10.71	164	50782	51.181	ug/l	96
65) Chlorobenzene	11.51	112	155367	49.687	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	55558	52.549	ug/l	98
67) Ethyl Benzene	11.59	91	270030	48.389	ug/l	98
68) m/p-Xylenes	11.70	106	208663	98.269	ug/l	100
69) o-Xylene	12.02	106	104950	51.045	ug/l	95
70) Styrene	12.04	104	185770	51.468	ug/l	99
71) Bromoform	12.21	173	31721	51.826	ug/l #	96
73) Isopropylbenzene	12.33	105	263533	45.611	ug/l	99
74) N-amyl acetate	12.14	43	88040	53.487	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	67883	49.911	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	40682m	40.330	ug/l	
77) Bromobenzene	12.60	156	60391	50.056	ug/l	97
78) n-propylbenzene	12.67	91	323791	45.942	ug/l	100
79) 2-Chlorotoluene	12.76	91	183708	46.624	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	225041	47.019	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	23760	45.301	ug/l	97
82) 4-Chlorotoluene	12.85	91	190804	46.831	ug/l	96
83) tert-Butylbenzene	13.07	119	189484	46.274	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	228845	48.499	ug/l	100
85) sec-Butylbenzene	13.25	105	275704	45.573	ug/l	99
86) p-Isopropyltoluene	13.37	119	238224	46.455	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	116639	48.737	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	119188	49.561	ug/l	99
89) n-Butylbenzene	13.69	91	236414	44.814	ug/l	99
90) Hexachloroethane	13.96	117	47253	46.892	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	114066	50.729	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	12291	50.756	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	71073	52.383	ug/l	98
94) Hexachlorobutadiene	15.11	225	32152	49.356	ug/l	98
95) Naphthalene	15.23	128	196335	50.974	ug/l	99
96) 1,2,3-Trichlorobenzene	15.41	180	67000	51.744	ug/l	99

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

