

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101519\
 Data File : VY000319.D
 Acq On : 15 Oct 2019 17:12
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:40:27 AM

Quant Time: Oct 15 18:02:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 08:10:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	301250	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	499794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	454816	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	230390	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	166174	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
35) Dibromofluoromethane	7.73	113	146143	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
50) Toluene-d8	10.18	98	619251	53.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.80%	
62) 4-Bromofluorobenzene	12.48	95	231097	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	109568	45.670	ug/l	99
3) Chloromethane	2.12	50	152449	41.413	ug/l	99
4) Vinyl Chloride	2.25	62	170374	45.860	ug/l	96
5) Bromomethane	2.65	94	119123	43.265	ug/l	99
6) Chloroethane	2.79	64	113776	47.464	ug/l	99
7) Trichlorofluoromethane	3.13	101	243380	47.892	ug/l	97
8) Diethyl Ether	3.53	74	90941	50.656	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	149225	48.419	ug/l	98
10) Methyl Iodide	4.09	142	201635	46.029	ug/l	99
11) Tert butyl alcohol	4.97	59	77758	233.823	ug/l	99
12) 1,1-Dichloroethene	3.88	96	145240	47.736	ug/l	96
13) Acrolein	3.74	56	113432	290.940	ug/l	99
14) Allyl chloride	4.49	41	253039	50.186	ug/l	99
15) Acrylonitrile	5.18	53	244732	243.552	ug/l	99
16) Acetone	3.95	43	231022	224.494	ug/l	97
17) Carbon Disulfide	4.19	76	441429	46.080	ug/l	98
18) Methyl Acetate	4.48	43	116594	45.600	ug/l	97
19) Methyl tert-butyl Ether	5.22	73	434924	51.350	ug/l	97
20) Methylene Chloride	4.72	84	195270	57.088	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	167678	48.035	ug/l	93
22) Diisopropyl ether	6.13	45	562502	52.748	ug/l	95
23) Vinyl Acetate	6.07	43	1815382	260.940	ug/l	99
24) 1,1-Dichloroethane	6.03	63	293928	50.496	ug/l	97
25) 2-Butanone	7.00	43	360066	248.382	ug/l	100
26) 2,2-Dichloropropane	6.99	77	268200	50.003	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	188838	49.994	ug/l	99
28) Bromochloromethane	7.35	49	136138	54.481	ug/l	99
29) Tetrahydrofuran	7.36	42	210873	240.026	ug/l	99
30) Chloroform	7.52	83	300760	51.307	ug/l	99
31) Cyclohexane	7.79	56	287164	47.234	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	264480	50.749	ug/l	99
36) 1,1-Dichloropropene	7.93	75	236556	48.343	ug/l	99
37) Ethyl Acetate	7.08	43	139668	48.204	ug/l	99
38) Carbon Tetrachloride	7.91	117	228795	48.291	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	308451	48.162	ug/l	97
40) Benzene	8.17	78	702630	49.687	ug/l	99
41) Methacrylonitrile	7.33	41	64592m	46.834	ug/l	
42) 1,2-Dichloroethane	8.25	62	199299	49.339	ug/l	99
43) Isopropyl Acetate	8.28	43	272510	49.464	ug/l	98
44) Trichloroethene	8.94	130	187821	47.337	ug/l	100
45) 1,2-Dichloropropane	9.22	63	175418	50.549	ug/l	93
46) Dibromomethane	9.31	93	94787	48.861	ug/l	96
47) Bromodichloromethane	9.50	83	234513	51.295	ug/l	99
48) Methyl methacrylate	9.30	41	121923	50.498	ug/l	98
49) 1,4-Dioxane	9.31	88	26415	908.135	ug/l	94
51) 4-Methyl-2-Pentanone	10.08	43	740747	260.689	ug/l	100
52) Toluene	10.25	92	448444	49.949	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	251723	51.375	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	289991	52.116	ug/l	96
55) 1,1,2-Trichloroethane	10.65	97	143558	50.896	ug/l	99
56) Ethyl methacrylate	10.51	69	216268	53.793	ug/l	99
57) 1,3-Dichloropropane	10.80	76	248620	51.324	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	556706	347.159	ug/l	98
59) 2-Hexanone	10.83	43	557965	279.753	ug/l	100
60) Dibromochloromethane	10.99	129	163272	52.225	ug/l	97
61) 1,2-Dibromoethane	11.09	107	135238	49.935	ug/l	100
64) Tetrachloroethene	10.72	164	197907	45.707	ug/l	97
65) Chlorobenzene	11.52	112	470551	49.023	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	165920	49.208	ug/l	98
67) Ethyl Benzene	11.60	91	875136	49.182	ug/l	99
68) m/p-Xylenes	11.70	106	666739	98.017	ug/l	98
69) o-Xylene	12.03	106	315457	48.613	ug/l	97
70) Styrene	12.05	104	549996	50.256	ug/l	100
71) Bromoform	12.21	173	98903	51.025	ug/l #	99
73) Isopropylbenzene	12.33	105	869189	48.384	ug/l	100
74) N-amyl acetate	12.14	43	257671	58.426	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	165939	49.198	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	138847m	49.010	ug/l	
77) Bromobenzene	12.61	156	190368	47.622	ug/l	99
78) n-propylbenzene	12.67	91	1057918	49.048	ug/l	99
79) 2-Chlorotoluene	12.76	91	586629	49.248	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	729447	48.425	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	62167	48.012	ug/l	98
82) 4-Chlorotoluene	12.86	91	611753	48.586	ug/l	99
83) tert-Butylbenzene	13.08	119	613497	48.093	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	726658	48.877	ug/l	99
85) sec-Butylbenzene	13.25	105	893088	48.396	ug/l	100
86) p-Isopropyltoluene	13.37	119	795423	49.441	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	380671	48.332	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	381105	48.411	ug/l	99
89) n-Butylbenzene	13.70	91	794855	49.996	ug/l	99
90) Hexachloroethane	13.96	117	148294	49.778	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	350886	49.228	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	30904	48.310	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	237364	47.830	ug/l	99
94) Hexachlorobutadiene	15.11	225	121776	45.344	ug/l	98
95) Naphthalene	15.23	128	535849	48.385	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	214020	47.852	ug/l	98

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

