

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101619\
 Data File : VY000321.D
 Acq On : 16 Oct 2019 11:28
 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
 10/18/2019 12:50:33 AM

Quant Time: Oct 17 01:40:06 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	315211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	533861	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	479740	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	238827	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	178727	53.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.50%	
35) Dibromofluoromethane	7.73	113	162577	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
50) Toluene-d8	10.19	98	676371	54.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.20%	
62) 4-Bromofluorobenzene	12.49	95	244550	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	121835	48.833	ug/l	100
3) Chloromethane	2.12	50	170644	44.303	ug/l	96
4) Vinyl Chloride	2.26	62	188906	48.596	ug/l	97
5) Bromomethane	2.65	94	126890	44.045	ug/l	99
6) Chloroethane	2.80	64	125802	50.157	ug/l	99
7) Trichlorofluoromethane	3.13	101	267732	50.351	ug/l	98
8) Diethyl Ether	3.54	74	98834	52.614	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.90	101	169782	52.650	ug/l	96
10) Methyl Iodide	4.09	142	231770	50.448	ug/l	99
11) Tert butyl alcohol	4.97	59	81924	235.439	ug/l	99
12) 1,1-Dichloroethene	3.88	96	164813	51.770	ug/l	96
13) Acrolein	3.74	56	115084	282.104	ug/l	100
14) Allyl chloride	4.49	41	282532	53.553	ug/l	96
15) Acrylonitrile	5.18	53	266416	253.388	ug/l	98
16) Acetone	3.96	43	252514	234.510	ug/l	100
17) Carbon Disulfide	4.20	76	487219	48.608	ug/l	99
18) Methyl Acetate	4.49	43	127429	47.631	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	478221	53.961	ug/l	99
20) Methylene Chloride	4.73	84	187176	51.786	ug/l	94
21) trans-1,2-Dichloroethene	5.22	96	184564	50.531	ug/l	93
22) Diisopropyl ether	6.13	45	621878	55.733	ug/l	99
23) Vinyl Acetate	6.07	43	1991633	273.595	ug/l	99
24) 1,1-Dichloroethane	6.03	63	325758	53.485	ug/l	100
25) 2-Butanone	7.00	43	399123	263.130	ug/l	99
26) 2,2-Dichloropropane	6.99	77	295570	52.665	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	210284	53.206	ug/l	98
28) Bromochloromethane	7.35	49	142267	54.412	ug/l	99
29) Tetrahydrofuran	7.36	42	232806	253.255	ug/l	99
30) Chloroform	7.52	83	330704	53.916	ug/l	100
31) Cyclohexane	7.79	56	318866	50.126	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	292894	53.712	ug/l	99
36) 1,1-Dichloropropene	7.93	75	261167	49.966	ug/l	99
37) Ethyl Acetate	7.08	43	158680	51.271	ug/l	98
38) Carbon Tetrachloride	7.91	117	251861	49.767	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	339260	49.593	ug/l	97
40) Benzene	8.17	78	759120	50.256	ug/l	98
41) Methacrylonitrile	7.33	41	82046m	55.693	ug/l	
42) 1,2-Dichloroethane	8.25	62	217979	50.520	ug/l	100
43) Isopropyl Acetate	8.28	43	303433	51.563	ug/l	99
44) Trichloroethene	8.95	130	204683	48.294	ug/l	98
45) 1,2-Dichloropropane	9.22	63	192336	51.887	ug/l	91
46) Dibromomethane	9.32	93	107193	51.730	ug/l	95
47) Bromodichloromethane	9.50	83	257300	52.688	ug/l	97
48) Methyl methacrylate	9.30	41	134031	51.970	ug/l	97
49) 1,4-Dioxane	9.31	88	28705	923.890	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	797114	262.625	ug/l	98
52) Toluene	10.25	92	495709	51.690	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	282442	53.966	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	313544	52.754	ug/l	96
55) 1,1,2-Trichloroethane	10.65	97	158020	52.448	ug/l	99
56) Ethyl methacrylate	10.52	69	235831	54.916	ug/l	100
57) 1,3-Dichloropropane	10.80	76	272428	52.651	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	418719	244.449	ug/l	97
59) 2-Hexanone	10.84	43	609040	285.875	ug/l	98
60) Dibromochloromethane	10.99	129	178763	53.531	ug/l	98
61) 1,2-Dibromoethane	11.10	107	149830	51.793	ug/l	100
64) Tetrachloroethene	10.72	164	218695	47.884	ug/l	97
65) Chlorobenzene	11.52	112	513285	50.697	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	185323	52.107	ug/l	99
67) Ethyl Benzene	11.60	91	967519	51.549	ug/l	98
68) m/p-Xylenes	11.71	106	729442	101.664	ug/l	96
69) o-Xylene	12.03	106	344630	50.350	ug/l	97
70) Styrene	12.05	104	607718	52.646	ug/l	100
71) Bromoform	12.21	173	108643	53.138	ug/l #	99
73) Isopropylbenzene	12.33	105	953075	51.179	ug/l	100
74) N-amyl acetate	12.14	43	283497	62.011	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	187227	53.548	ug/l	96
76) 1,2,3-Trichloropropane	12.64	75	123571m	42.077	ug/l	
77) Bromobenzene	12.61	156	205894	49.687	ug/l	97
78) n-propylbenzene	12.67	91	1146789	51.290	ug/l	100
79) 2-Chlorotoluene	12.76	91	636352	51.535	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	793908	50.842	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	70898	52.821	ug/l	95
82) 4-Chlorotoluene	12.86	91	675629	51.763	ug/l	100
83) tert-Butylbenzene	13.08	119	664527	50.253	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	793167	51.466	ug/l	100
85) sec-Butylbenzene	13.25	105	989468	51.725	ug/l	100
86) p-Isopropyltoluene	13.37	119	864947	51.864	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	414140	50.724	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	419588	51.416	ug/l	98
89) n-Butylbenzene	13.70	91	869310	52.747	ug/l	99
90) Hexachloroethane	13.96	117	163045	52.796	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	379290	51.333	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	32992	49.752	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	259610	50.465	ug/l	99
94) Hexachlorobutadiene	15.11	225	133685	48.020	ug/l	99
95) Naphthalene	15.24	128	582199	50.713	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	231477	49.927	ug/l	99

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

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