

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110819\
 Data File : VY000605.D
 Acq On : 08 Nov 2019 10:21
 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
 11/13/2019 11:05:45 AM

Quant Time: Nov 11 05:37:36 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	268320	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	445019	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	405816	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	198151	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	154922	55.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.58%	
35) Dibromofluoromethane	7.73	113	140709	53.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.72%	
50) Toluene-d8	10.19	98	576764	58.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.36%	
62) 4-Bromofluorobenzene	12.49	95	209578	55.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	137539	52.072	ug/l	98
3) Chloromethane	2.12	50	183112	50.325	ug/l	99
4) Vinyl Chloride	2.26	62	169205	50.077	ug/l	99
5) Bromomethane	2.66	94	107771	53.189	ug/l	94
6) Chloroethane	2.80	64	113068	53.467	ug/l	97
7) Trichlorofluoromethane	3.13	101	247948	54.338	ug/l	98
8) Diethyl Ether	3.54	74	87035	53.680	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.91	101	146976	53.277	ug/l	96
10) Methyl Iodide	4.10	142	186207	51.198	ug/l	98
11) Tert butyl alcohol	5.00	59	58845	217.702	ug/l #	93
12) 1,1-Dichloroethene	3.88	96	142929	53.327	ug/l	92
13) Acrolein	3.74	56	59980	254.750	ug/l	98
14) Allyl chloride	4.49	41	246685	56.603	ug/l	99
15) Acrylonitrile	5.18	53	213962	257.605	ug/l	99
16) Acetone	3.97	43	179382	234.392	ug/l	99
17) Carbon Disulfide	4.20	76	437966	51.809	ug/l	99
18) Methyl Acetate	4.49	43	126071	52.980	ug/l	98
19) Methyl tert-butyl Ether	5.24	73	399814	53.652	ug/l	97
20) Methylene Chloride	4.72	84	161318	49.193	ug/l	96
21) trans-1,2-Dichloroethene	5.23	96	159315	52.578	ug/l	97
22) Diisopropyl ether	6.13	45	542070	57.224	ug/l	93
23) Vinyl Acetate	6.08	43	1643287	274.811	ug/l	98
24) 1,1-Dichloroethane	6.04	63	283772	55.297	ug/l	97
25) 2-Butanone	7.00	43	323995	265.269	ug/l	99
26) 2,2-Dichloropropane	7.00	77	253142	53.978	ug/l	97
27) cis-1,2-Dichloroethene	7.00	96	180854	54.585	ug/l	99
28) Bromochloromethane	7.35	49	132600	56.112	ug/l	94
29) Tetrahydrofuran	7.36	42	187991	251.595	ug/l	99
30) Chloroform	7.52	83	286146	55.120	ug/l	93
31) Cyclohexane	7.80	56	279885	52.072	ug/l	97
32) 1,1,1-Trichloroethane	7.72	97	249390	53.903	ug/l	98
36) 1,1-Dichloropropene	7.93	75	224874	53.452	ug/l	99
37) Ethyl Acetate	7.09	43	127623	51.096	ug/l	98
38) Carbon Tetrachloride	7.91	117	225481	55.701	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	290427	53.435	ug/l	95
40) Benzene	8.17	78	662736	53.733	ug/l	98
41) Methacrylonitrile	7.33	41	73276m	52.589	ug/l	
42) 1,2-Dichloroethane	8.25	62	193482	55.309	ug/l	98
43) Isopropyl Acetate	8.28	43	256837	54.740	ug/l	99
44) Trichloroethene	8.95	130	175347	53.920	ug/l	99
45) 1,2-Dichloropropane	9.22	63	168033	55.354	ug/l	94
46) Dibromomethane	9.31	93	90724	54.343	ug/l	97
47) Bromodichloromethane	9.50	83	221480	55.911	ug/l	98
48) Methyl methacrylate	9.30	41	115131	56.161	ug/l	95
49) 1,4-Dioxane	9.32	88	20881	929.342	ug/l #	68
51) 4-Methyl-2-Pentanone	10.08	43	683857	274.135	ug/l	99
52) Toluene	10.25	92	427177	54.781	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	243109	57.437	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	269501	55.579	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	128713	53.304	ug/l	99
56) Ethyl methacrylate	10.52	69	193709	56.600	ug/l	99
57) 1,3-Dichloropropane	10.80	76	232578	55.032	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	407747	263.532	ug/l	99
59) 2-Hexanone	10.84	43	554563	305.116	ug/l	100
60) Dibromochloromethane	10.99	129	152165	55.016	ug/l	100
61) 1,2-Dibromoethane	11.10	107	125009	53.843	ug/l	98
64) Tetrachloroethene	10.72	164	169112	50.397	ug/l	94
65) Chlorobenzene	11.52	112	442858	53.824	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	157637	55.243	ug/l	98
67) Ethyl Benzene	11.60	91	829065	54.750	ug/l	99
68) m/p-Xylenes	11.70	106	628522	107.240	ug/l	96
69) o-Xylene	12.03	106	293694	53.319	ug/l	99
70) Styrene	12.05	104	516365	54.746	ug/l	99
71) Bromoform	12.21	173	90762	55.300	ug/l #	98
73) Isopropylbenzene	12.33	105	813879	55.574	ug/l	100
74) N-amyl acetate	12.14	43	239741	57.159	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	159525	55.014	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	104841m	46.468	ug/l	
77) Bromobenzene	12.61	156	175764	52.925	ug/l	95
78) n-propylbenzene	12.67	91	980697	55.500	ug/l	99
79) 2-Chlorotoluene	12.76	91	548236	55.887	ug/l	96
80) 1,3,5-Trimethylbenzene	12.81	105	676819	55.491	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	57796	57.435	ug/l	97
82) 4-Chlorotoluene	12.86	91	574563	56.503	ug/l	97
83) tert-Butylbenzene	13.08	119	564265	54.182	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	676618	55.716	ug/l	99
85) sec-Butylbenzene	13.25	105	816905	55.057	ug/l	100
86) p-Isopropyltoluene	13.37	119	726194	54.916	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	348250	53.537	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	347086	53.397	ug/l	100
89) n-Butylbenzene	13.70	91	713852	54.732	ug/l	99
90) Hexachloroethane	13.96	117	138288	56.567	ug/l	95
91) 1,2-Dichlorobenzene	13.74	146	319779	54.182	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	26532	51.700	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	206320	51.341	ug/l	99
94) Hexachlorobutadiene	15.11	225	107688	51.985	ug/l	99
95) Naphthalene	15.23	128	462636	51.859	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	182878	50.725	ug/l	98

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

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