

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052020\
 Data File : VY002719.D
 Acq On : 20 May 2020 10:07
 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
 5/21/2020 1:14:35 PM

Quant Time: May 21 03:18:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
 Quant Title : SW846 8260
 QLast Update : Sat May 16 04:52:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	431182	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	641994	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	569163	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	290681	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	163846	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
35) Dibromofluoromethane	7.72	113	179127	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
50) Toluene-d8	10.18	98	708331	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
62) 4-Bromofluorobenzene	12.48	95	235387	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	157507	50.978	ug/l	99
3) Chloromethane	2.12	50	174810	49.402	ug/l	100
4) Vinyl Chloride	2.26	62	191711	51.993	ug/l	98
5) Bromomethane	2.65	94	130966	47.923	ug/l	98
6) Chloroethane	2.80	64	118008	50.048	ug/l	99
7) Trichlorofluoromethane	3.13	101	318291	51.222	ug/l	98
8) Diethyl Ether	3.54	74	108016	51.099	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	196723	52.226	ug/l	100
10) Methyl Iodide	4.10	142	276517	53.333	ug/l	100
11) Tert butyl alcohol	4.96	59	77971	227.637	ug/l	99
12) 1,1-Dichloroethene	3.88	96	194707	51.481	ug/l	98
13) Acrolein	3.74	56	111165	276.706	ug/l	99
14) Allyl chloride	4.49	41	285376	52.558	ug/l	98
15) Acrylonitrile	5.17	53	236246	246.825	ug/l	100
16) Acetone	3.95	43	155135	223.127	ug/l	97
17) Carbon Disulfide	4.20	76	601520	50.704	ug/l	99
18) Methyl Acetate	4.48	43	98586	49.731	ug/l	99
19) Methyl tert-butyl Ether	5.22	73	477195	50.867	ug/l	99
20) Methylene Chloride	4.72	84	202129	48.094	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	212924	50.629	ug/l	99
22) Diisopropyl ether	6.13	45	561202	52.096	ug/l	97
23) Vinyl Acetate	6.07	43	1762265	255.479	ug/l	99
24) 1,1-Dichloroethane	6.02	63	336178	52.225	ug/l	99
25) 2-Butanone	6.99	43	267656	232.670	ug/l	99
26) 2,2-Dichloropropane	6.99	77	310799	51.892	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	233830	51.456	ug/l	99
28) Bromochloromethane	7.34	49	124975	49.078	ug/l	99
29) Tetrahydrofuran	7.35	42	191088	244.140	ug/l	99
30) Chloroform	7.51	83	342438	51.256	ug/l	97
31) Cyclohexane	7.78	56	324954	49.773	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	319271	51.719	ug/l	100
36) 1,1-Dichloropropene	7.92	75	279197	51.372	ug/l	100
37) Ethyl Acetate	7.08	43	130465	48.807	ug/l	99
38) Carbon Tetrachloride	7.90	117	298143	51.042	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	375416	51.373	ug/l	99
40) Benzene	8.16	78	809274	51.034	ug/l	99
41) Methacrylonitrile	7.33	41	87889m	54.726	ug/l	
42) 1,2-Dichloroethane	8.24	62	205325	49.093	ug/l	98
43) Isopropyl Acetate	8.28	43	251914	50.710	ug/l	100
44) Trichloroethene	8.94	130	257804	51.003	ug/l	97
45) 1,2-Dichloropropane	9.22	63	192262	51.085	ug/l	99
46) Dibromomethane	9.31	93	105654	49.967	ug/l	99
47) Bromodichloromethane	9.50	83	262928	50.950	ug/l	98
48) Methyl methacrylate	9.29	41	113186	49.484	ug/l	98
49) 1,4-Dioxane	9.30	88	28083	975.157	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	636203	248.047	ug/l	100
52) Toluene	10.24	92	517521	50.430	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	280182	50.868	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	324880	50.879	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	157244	49.951	ug/l	97
56) Ethyl methacrylate	10.51	69	212075	50.604	ug/l	99
57) 1,3-Dichloropropane	10.79	76	265810	50.388	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	509293	246.164	ug/l	100
59) 2-Hexanone	10.83	43	434229	243.003	ug/l	99
60) Dibromochloromethane	10.99	129	203391	50.574	ug/l	100
61) 1,2-Dibromoethane	11.09	107	154849	49.927	ug/l	99
64) Tetrachloroethene	10.72	164	280789	51.964	ug/l	98
65) Chlorobenzene	11.52	112	563906	51.272	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	213511	52.307	ug/l	100
67) Ethyl Benzene	11.59	91	1005724	52.080	ug/l	100
68) m/p-Xylenes	11.70	106	782026	104.090	ug/l	99
69) o-Xylene	12.03	106	366778	52.014	ug/l	99
70) Styrene	12.04	104	626785	51.771	ug/l	100
71) Bromoform	12.20	173	130597	51.759	ug/l #	100
73) Isopropylbenzene	12.33	105	1002494	52.780	ug/l	99
74) N-amyl acetate	12.14	43	230613	51.741	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	141925	50.743	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	119526m	50.056	ug/l	
77) Bromobenzene	12.61	156	246943	52.003	ug/l	99
78) n-propylbenzene	12.67	91	1164512	52.704	ug/l	100
79) 2-Chlorotoluene	12.75	91	638234	52.079	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	828767	51.929	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	65136	51.589	ug/l #	53
82) 4-Chlorotoluene	12.85	91	658602	51.305	ug/l	100
83) tert-Butylbenzene	13.08	119	739265	52.340	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	823864	51.653	ug/l	100
85) sec-Butylbenzene	13.25	105	1020264	52.347	ug/l	100
86) p-Isopropyltoluene	13.37	119	953943	52.289	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	467597	51.072	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	459983	50.463	ug/l	99
89) n-Butylbenzene	13.70	91	870504	51.959	ug/l	99
90) Hexachloroethane	13.96	117	175166	51.839	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	411407	50.104	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	26324	49.078	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	304296	51.530	ug/l	99
94) Hexachlorobutadiene	15.11	225	187365	53.288	ug/l	100
95) Naphthalene	15.23	128	525267	46.449	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	250880	49.790	ug/l	99

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

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