

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112320\
 Data File : VY003593.D
 Acq On : 23 Nov 2020 16:57
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025407

Quant Time: Nov 24 08:06:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL112320SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 24 08:05:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	215095	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	196181	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	100209	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	74635	24.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.36%
7) Chloroethane-d5	2.77	69	58926	23.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.60%
11) 1,1-Dichloroethene-d2	3.85	63	159838	24.84	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.36%
21) 2-Butanone-d5	6.90	46	64716	49.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.70%
24) Chloroform-d	7.48	84	155706	25.59	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.36%
26) 1,2-Dichloroethane-d4	8.14	65	84907	25.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.88%
32) Benzene-d6	8.11	84	321577	25.76	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.04%
36) 1,2-Dichloropropane-d6	9.12	67	94983	25.05	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.20%
41) Toluene-d8	10.17	98	292040	26.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.36%
43) trans-1,3-Dichloropropene-	10.44	79	46284	25.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.88%
47) 2-Hexanone-d5	10.78	63	51515	53.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.94%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	83882	25.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.40%
66) 1,2-Dichlorobenzene-d4	13.72	152	88835	25.56	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.24%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.92	85	27564	23.970	ug/L	96
3) Chloromethane	2.12	50	55052	25.302	ug/L	92
5) Vinyl chloride	2.26	62	77870	25.404	ug/L	99
6) Bromomethane	2.66	94	54757	24.403	ug/L	100
8) Chloroethane	2.80	64	47976	25.036	ug/L	98
9) Trichlorofluoromethane	3.13	101	60153	26.878	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	76626	26.101	ug/L	98
12) 1,1-Dichloroethene	3.87	96	79104	25.334	ug/L	95
13) Acetone	3.97	43	40379	46.604	ug/L	96
14) Carbon disulfide	4.20	76	252205	25.411	ug/L	100
15) Methyl Acetate	4.49	43	53974	23.461	ug/L	99
16) Methylene chloride	4.72	84	87283	20.750	ug/L	97
17) trans-1,2-Dichloroethene	5.22	96	83641	25.291	ug/L	94
18) Methyl tert-butyl Ether	5.22	73	124834	25.377	ug/L	99
19) 1,1-Dichloroethane	6.02	63	143776	25.564	ug/L	99
20) cis-1,2-Dichloroethene	6.99	96	87460	25.360	ug/L	98
22) 2-Butanone	7.00	43	69139	47.012	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	41432	25.024	ug/L	98
25) Chloroform	7.51	83	143239	25.653	ug/L	95
27) 1,2-Dichloroethane	8.24	62	95636	25.437	ug/L	98
29) Cyclohexane	7.78	56	128096	26.586	ug/L	99
30) 1,1,1-Trichloroethane	7.71	97	111223	26.226	ug/L	100
31) Carbon tetrachloride	7.90	117	106318	25.635	ug/L	97
33) Benzene	8.16	78	333289	25.888	ug/L	100
34) Trichloroethene	8.94	95	82371	25.805	ug/L	98
35) Methylcyclohexane	9.18	83	127039	25.347	ug/L	95
37) 1,2-Dichloropropane	9.22	63	83316	25.554	ug/L	100
38) Bromodichloromethane	9.50	83	105068	25.399	ug/L	97
39) cis-1,3-Dichloropropene	9.92	75	132905	26.377	ug/L	97
40) 4-Methyl-2-pentanone	10.07	43	137038	50.021	ug/L	100
42) Toluene	10.24	91	354341	26.195	ug/L	98
44) trans-1,3-Dichloropropene	10.46	75	121835	26.078	ug/L	97
45) 1,1,2-Trichloroethane	10.64	97	68061	25.798	ug/L	97
46) Tetrachloroethene	10.72	164	73340	26.217	ug/L	96
48) 2-Hexanone	10.83	43	107881	50.862	ug/L	98
49) Dibromochloromethane	10.98	129	81324	26.295	ug/L	97
50) 1,2-Dibromoethane	11.08	107	66602	25.791	ug/L	98
51) Chlorobenzene	11.51	112	225141	26.158	ug/L	98
52) Ethylbenzene	11.59	91	367817	26.649	ug/L	98
53) m,p-Xylene	11.70	106	143072	26.860	ug/L	93
54) o-Xylene	12.03	106	118977	26.428	ug/L	98
55) Styrene	12.04	104	238825	27.126	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.58	83	79316	24.972	ug/L	96
59) Bromoform	12.20	173	53889	25.280	ug/L	99
60) Isopropylbenzene	12.33	105	263671	26.071	ug/L	100
61) 1,2,3-Trichloropropane	12.63	75	60443	24.817	ug/L	99
62) 1,3,5-Trimethylbenzene	12.81	105	196460	26.415	ug/L	99
63) 1,2,4-Trimethylbenzene	13.11	105	209646	26.588	ug/L	100
64) 1,3-Dichlorobenzene	13.36	146	168457	26.226	ug/L	98
65) 1,4-Dichlorobenzene	13.44	146	170116	25.436	ug/L	98
67) 1,2-Dichlorobenzene	13.73	146	139376	25.672	ug/L	98
68) 1,2-Dibromo-3-chloropropan	14.35	75	10349	23.722	ug/L	96
69) 1,3,5-Trichlorobenzene	14.50	180	90325	26.064	ug/L	99
70) 1,2,4-trichlorobenzene	15.00	180	77337	25.797	ug/L	100
71) Naphthalene	15.23	128	138854	25.641	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	59475	26.251	ug/L	98

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

