

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120320\
 Data File : VY003650.D
 Acq On : 03 Dec 2020 16:06
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025411

Quant Time: Dec 04 00:23:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL120120SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 03 09:48:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	229575	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	210728	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.43	152	112176	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	60748	20.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.00%
7) Chloroethane-d5	2.77	69	51245	22.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.08%
11) 1,1-Dichloroethene-d2	3.86	63	138673	23.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.92%
21) 2-Butanone-d5	6.90	46	69322	53.83	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.66%
24) Chloroform-d	7.49	84	141065	24.22	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.88%
26) 1,2-Dichloroethane-d4	8.15	65	77315	24.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.08%
32) Benzene-d6	8.12	84	292088	24.39	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.56%
36) 1,2-Dichloropropane-d6	9.12	67	88114	24.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.64%
41) Toluene-d8	10.18	98	265266	24.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.20%
43) trans-1,3-Dichloropropene-	10.44	79	41622	24.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.48%
47) 2-Hexanone-d5	10.79	63	53666	55.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.12%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	69900	18.95	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	75.80%
66) 1,2-Dichlorobenzene-d4	13.72	152	96793	24.31	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.24%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	66455	24.941 ug/L	98
3) Chloromethane	2.12	50	75701	26.197 ug/L	100
5) Vinyl chloride	2.26	62	80147	25.848 ug/L	97
6) Bromomethane	2.66	94	49409	25.450 ug/L	99
8) Chloroethane	2.80	64	50238	25.950 ug/L	99
9) Trichlorofluoromethane	3.14	101	125663	26.705 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	81758	26.027 ug/L	99
12) 1,1-Dichloroethene	3.88	96	76859	25.755 ug/L #	82
13) Acetone	3.96	43	36810	39.885 ug/L	92
14) Carbon disulfide	4.20	76	261420	26.517 ug/L	99
15) Methyl Acetate	4.49	43	58254	26.211 ug/L	99
16) Methylene chloride	4.73	84	95656	24.683 ug/L	98
17) trans-1,2-Dichloroethene	5.23	96	84999	25.934 ug/L	96
18) Methyl tert-butyl Ether	5.23	73	206652	25.798 ug/L	100
19) 1,1-Dichloroethane	6.03	63	144173	26.131 ug/L	99
20) cis-1,2-Dichloroethene	7.00	96	90984	26.470 ug/L	98
22) 2-Butanone	7.00	43	69342	44.691 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	43866	26.169	ug/L	97
25) Chloroform	7.51	83	145675	26.355	ug/L	99
27) 1,2-Dichloroethane	8.24	62	94878	26.077	ug/L	97
29) Cyclohexane	7.79	56	137723	27.527	ug/L	100
30) 1,1,1-Trichloroethane	7.71	97	129352	26.925	ug/L	99
31) Carbon tetrachloride	7.91	117	115570	26.652	ug/L	100
33) Benzene	8.17	78	346919	26.937	ug/L	100
34) Trichloroethene	8.94	95	99086	30.823	ug/L	98
35) Methylcyclohexane	9.18	83	148261	26.974	ug/L	99
37) 1,2-Dichloropropane	9.22	63	87291	26.701	ug/L	99
38) Bromodichloromethane	9.50	83	108685	26.411	ug/L	95
39) cis-1,3-Dichloropropene	9.93	75	136108	26.949	ug/L	96
40) 4-Methyl-2-pentanone	10.07	43	160473	55.908	ug/L	98
42) Toluene	10.25	91	368971	27.271	ug/L	100
44) trans-1,3-Dichloropropene	10.47	75	124272	26.656	ug/L	99
45) 1,1,2-Trichloroethane	10.65	97	71019	25.868	ug/L	99
46) Tetrachloroethene	10.72	164	72976	26.524	ug/L	95
48) 2-Hexanone	10.83	43	109666	52.338	ug/L	98
49) Dibromochloromethane	10.98	129	83916	26.448	ug/L	100
50) 1,2-Dibromoethane	11.09	107	69407	26.138	ug/L	98
51) Chlorobenzene	11.51	112	234269	26.875	ug/L	99
52) Ethylbenzene	11.59	91	396501	27.389	ug/L	100
53) m,p-Xylene	11.70	106	152650	26.963	ug/L	97
54) o-Xylene	12.03	106	145883	27.281	ug/L	97
55) Styrene	12.04	104	252430	27.591	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.58	83	65422	17.983	ug/L	99
59) Bromoform	12.21	173	57311	26.024	ug/L	100
60) Isopropylbenzene	12.33	105	387847	27.046	ug/L	100
61) 1,2,3-Trichloropropane	12.64	75	70140	26.147	ug/L	98
62) 1,3,5-Trimethylbenzene	12.81	105	311281	27.373	ug/L	99
63) 1,2,4-Trimethylbenzene	13.12	105	307679	27.385	ug/L	100
64) 1,3-Dichlorobenzene	13.37	146	179722	25.902	ug/L	98
65) 1,4-Dichlorobenzene	13.45	146	182486	25.883	ug/L	100
67) 1,2-Dichlorobenzene	13.74	146	165572	25.414	ug/L	99
68) 1,2-Dibromo-3-chloropropan	14.35	75	15227	24.462	ug/L	98
69) 1,3,5-Trichlorobenzene	14.50	180	123776	25.393	ug/L	98
70) 1,2,4-trichlorobenzene	15.01	180	101771	24.512	ug/L	99
71) Naphthalene	15.23	128	216349	23.869	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	90761	23.802	ug/L	99

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

