

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121319\
 Data File : VY000943.D
 Acq On : 13 Dec 2019 13:23
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025251

Manual Integrations
 APPROVED

apatel
 12/17/2019 2:47:47 PM

Quant Time: Dec 14 06:19:33 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL110519SMA.M

Quant Title : VOC Analysis

QLast Update : Tue Nov 12 09:49:35 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	458306	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	421445	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	202485	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	125566	17.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.92%
7) Chloroethane-d5	2.76	69	127098	20.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.56%
11) 1,1-Dichloroethene-d2	3.85	63	282885	23.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.40%
21) 2-Butanone-d5	6.90	46	169572	55.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.64%
24) Chloroform-d	7.49	84	281619	23.58	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.32%
26) 1,2-Dichloroethane-d4	8.15	65	154431	21.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.68%
32) Benzene-d6	8.11	84	594754	24.40	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.60%
36) 1,2-Dichloropropane-d6	9.13	67	196936	26.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.04%
41) Toluene-d8	10.18	98	539071	23.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.20%
43) trans-1,3-Dichloropropene-	10.44	79	87247	23.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.12%
47) 2-Hexanone-d5	10.78	63	136136	58.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	117.12%
56) 1,1,2,2-Tetrachloroethane-	12.55	84	203380	25.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.16%
66) 1,2-Dichlorobenzene-d4	13.72	152	191975	24.27	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.08%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.90	85	138398	21.727	ug/L	99
3) Chloromethane	2.11	50	175672	21.004	ug/L	98
5) Vinyl chloride	2.25	62	180139	23.066	ug/L	99
6) Bromomethane	2.65	94	81903	22.908	ug/L	91
8) Chloroethane	2.79	64	114597	23.778	ug/L	96
9) Trichlorofluoromethane	3.13	101	260064	23.600	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	163580	25.566	ug/L	98
12) 1,1-Dichloroethene	3.88	96	158375	26.016	ug/L	90
13) Acetone	3.95	43	103670	35.447	ug/L	100
14) Carbon disulfide	4.20	76	486721	25.211	ug/L	98
15) Methyl Acetate	4.48	43	147231	28.250	ug/L	99
16) Methylene chloride	4.72	84	188733	25.270	ug/L	91
17) trans-1,2-Dichloroethene	5.22	96	179191	26.488	ug/L	91
18) Methyl tert-butyl Ether	5.22	73	499372	25.904	ug/L	97
19) 1,1-Dichloroethane	6.03	63	321310	27.096	ug/L	97
20) cis-1,2-Dichloroethene	6.99	96	201125	26.555	ug/L	99
22) 2-Butanone	6.99	43	193110	43.095	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.35	128	86241	25.329	ug/L	98
25) Chloroform	7.52	83	313377	25.589	ug/L	98
27) 1,2-Dichloroethane	8.24	62	210112	24.018	ug/L	97
29) Cyclohexane	7.79	56	318865	27.698	ug/L	99
30) 1,1,1-Trichloroethane	7.71	97	259673	25.543	ug/L	100
31) Carbon tetrachloride	7.91	117	226281	24.137	ug/L	100
33) Benzene	8.17	78	749312	27.071	ug/L	100
34) Trichloroethene	8.94	95	196301	26.874	ug/L	95
35) Methylcyclohexane	9.19	83	341291	27.201	ug/L	99
37) 1,2-Dichloropropane	9.22	63	198036	28.044	ug/L	99
38) Bromodichloromethane	9.50	83	233394	25.977	ug/L	99
39) cis-1,3-Dichloropropene	9.93	75	312333	27.602	ug/L	99
40) 4-Methyl-2-pentanone	10.07	43	417714	53.679	ug/L	97
42) Toluene	10.24	91	793701	26.851	ug/L	100
44) trans-1,3-Dichloropropene	10.46	75	264866	26.487	ug/L	98
45) 1,1,2-Trichloroethane	10.64	97	164433	27.430	ug/L	97
46) Tetrachloroethene	10.72	164	136826	24.538	ug/L	98
48) 2-Hexanone	10.83	43	306798	50.433	ug/L	95
49) Dibromochloromethane	10.98	129	174269	25.799	ug/L	99
50) 1,2-Dibromoethane	11.09	107	164672	27.161	ug/L #	93
51) Chlorobenzene	11.51	112	494836	26.208	ug/L	97
52) Ethylbenzene	11.59	91	886154	26.279	ug/L	100
53) m,p-Xylene	11.70	106	339131	26.246	ug/L	97
54) o-Xylene	12.02	106	326648	26.029	ug/L	100
55) Styrene	12.04	104	561906	26.477	ug/L	93
57) 1,1,2,2-Tetrachloroethane	12.58	83	211292	26.002	ug/L	98
59) Bromoform	12.20	173	111957	26.076	ug/L	99
60) Isopropylbenzene	12.33	105	851423	26.415	ug/L	99
61) 1,2,3-Trichloropropane	12.63	75	174698	27.254	ug/L	98
62) 1,3,5-Trimethylbenzene	12.81	105	701325m	26.551	ug/L	
63) 1,2,4-Trimethylbenzene	13.11	105	686526	26.357	ug/L	94
64) 1,3-Dichlorobenzene	13.36	146	375758	26.007	ug/L	100
65) 1,4-Dichlorobenzene	13.44	146	374323	25.748	ug/L	98
67) 1,2-Dichlorobenzene	13.73	146	350628	25.911	ug/L	97
68) 1,2-Dibromo-3-chloropropan	14.35	75	36723	24.748	ug/L	89
69) 1,3,5-Trichlorobenzene	14.50	180	259410	26.011	ug/L	99
70) 1,2,4-trichlorobenzene	15.00	180	236396	26.024	ug/L	99
71) Naphthalene	15.23	128	647884	27.301	ug/L	100
72) 1,2,3-Trichlorobenzene	15.41	180	215742	25.637	ug/L	100

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

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