

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111119\
 Data File : VY000636.D
 Acq On : 11 Nov 2019 12:27
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025851

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 1:44:06 PM

Quant Time: Nov 12 04:50:28 2019

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

Quant Title : VOC Analysis

QLast Update : Wed Nov 06 13:52:26 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	376373	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	345643	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	164017	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	153264	26.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.92%
7) Chloroethane-d5	2.76	69	136149	27.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.00%
11) 1,1-Dichloroethene-d2	3.86	63	266541	26.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	107.16%
21) 2-Butanone-d5	6.90	46	124561	49.48	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.96%
24) Chloroform-d	7.49	84	270573	27.58	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	110.32%
26) 1,2-Dichloroethane-d4	8.15	65	156227	26.38	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.52%
32) Benzene-d6	8.12	84	558362	27.94	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	111.76%
36) 1,2-Dichloropropane-d6	9.13	67	174601	28.66	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	114.64%
41) Toluene-d8	10.18	98	518241	27.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	111.56%
43) trans-1,3-Dichloropropene-	10.44	79	83981	27.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	109.28%
47) 2-Hexanone-d5	10.79	63	102352	53.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.36%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	174784	26.50	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.00%
66) 1,2-Dichlorobenzene-d4	13.72	152	176834	27.60	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	110.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.90	85	125543	24.000 ug/L	96
3) Chloromethane	2.12	50	172126	25.060 ug/L	98
5) Vinyl chloride	2.25	62	173349	27.029 ug/L	96
6) Bromomethane	2.66	94	82548	28.115 ug/L	96
8) Chloroethane	2.80	64	106493	26.906 ug/L	99
9) Trichlorofluoromethane	3.13	101	233553	25.808 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	136125	25.907 ug/L	99
12) 1,1-Dichloroethene	3.88	96	132311	26.465 ug/L	94
13) Acetone	3.96	43	78745	32.785 ug/L	96
14) Carbon disulfide	4.19	76	430623	27.161 ug/L	100
15) Methyl Acetate	4.49	43	102300	23.902 ug/L	98
16) Methylene chloride	4.72	84	155970	25.429 ug/L	95
17) trans-1,2-Dichloroethene	5.22	96	147663	26.579 ug/L	93
18) Methyl tert-butyl Ether	5.23	73	413694	26.131 ug/L	99
19) 1,1-Dichloroethane	6.02	63	266641	27.381 ug/L	98
20) cis-1,2-Dichloroethene	6.99	96	164354	26.424 ug/L #	94
22) 2-Butanone	7.00	43	147637	40.120 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	72169	25.810	ug/L	94
25) Chloroform	7.52	83	273515	27.196	ug/L	99
27) 1,2-Dichloroethane	8.25	62	190106	26.462	ug/L	99
29) Cyclohexane	7.79	56	259249	27.459	ug/L	99
30) 1,1,1-Trichloroethane	7.71	97	231521	27.768	ug/L	100
31) Carbon tetrachloride	7.91	117	208997	27.183	ug/L	100
33) Benzene	8.17	78	622847	27.437	ug/L	100
34) Trichloroethene	8.94	95	161805	27.009	ug/L	95
35) Methylcyclohexane	9.19	83	280988	27.306	ug/L	98
37) 1,2-Dichloropropane	9.22	63	156932	27.097	ug/L	100
38) Bromodichloromethane	9.50	83	201759	27.381	ug/L	99
39) cis-1,3-Dichloropropene	9.93	75	259917	28.008	ug/L	97
40) 4-Methyl-2-pentanone	10.07	43	319445	50.053	ug/L	99
42) Toluene	10.25	91	672187	27.727	ug/L	98
44) trans-1,3-Dichloropropene	10.47	75	223271	27.224	ug/L	99
45) 1,1,2-Trichloroethane	10.65	97	129297	26.299	ug/L	93
46) Tetrachloroethene	10.72	164	121201	26.503	ug/L	96
48) 2-Hexanone	10.83	43	241965	48.498	ug/L	98
49) Dibromochloromethane	10.99	129	146855	26.509	ug/L	100
50) 1,2-Dibromoethane	11.09	107	128600	25.863	ug/L	95
51) Chlorobenzene	11.52	112	421016	27.189	ug/L	98
52) Ethylbenzene	11.60	91	765137	27.667	ug/L	99
53) m,p-Xylene	11.70	106	291572	27.514	ug/L	99
54) o-Xylene	12.03	106	283556	27.550	ug/L	97
55) Styrene	12.05	104	485577	27.898	ug/L	91
57) 1,1,2,2-Tetrachloroethane	12.58	83	169299	25.403	ug/L	99
59) Bromoform	12.20	173	93197	26.798	ug/L	99
60) Isopropylbenzene	12.33	105	748499	28.668	ug/L	99
61) 1,2,3-Trichloropropane	12.63	75	136190	26.229	ug/L	98
62) 1,3,5-Trimethylbenzene	12.81	105	612715m	28.636	ug/L	
63) 1,2,4-Trimethylbenzene	13.12	105	609179	28.873	ug/L	92
64) 1,3-Dichlorobenzene	13.36	146	321437	27.465	ug/L	97
65) 1,4-Dichlorobenzene	13.44	146	322736	27.406	ug/L	100
67) 1,2-Dichlorobenzene	13.74	146	303534	27.692	ug/L	96
68) 1,2-Dibromo-3-chloropropan	14.36	75	30920	25.725	ug/L	97
69) 1,3,5-Trichlorobenzene	14.50	180	222092	27.492	ug/L	98
70) 1,2,4-trichlorobenzene	15.00	180	196899	26.760	ug/L	98
71) Naphthalene	15.23	128	510162	26.540	ug/L	100
72) 1,2,3-Trichlorobenzene	15.42	180	182274	26.740	ug/L	99

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

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