

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120720\
 Data File : VY003669.D
 Acq On : 07 Dec 2020 13:29
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VICV356

Manual Integrations
 APPROVED

MMDadoda
 12/8/2020 5:06:26 PM

Quant Time: Dec 08 00:47:34 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL120720SMA.M

Quant Title : VOC Analysis

QLast Update : Tue Dec 08 00:43:44 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	266013	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	251589	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.43	152	133184	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	59824	21.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.36%
7) Chloroethane-d5	2.77	69	51948	23.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.52%
11) 1,1-Dichloroethene-d2	3.87	63	139555	23.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.84%
21) 2-Butanone-d5	6.90	46	74127	55.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.32%
24) Chloroform-d	7.49	84	152649	25.77	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.08%
26) 1,2-Dichloroethane-d4	8.15	65	84602	25.81	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.24%
32) Benzene-d6	8.12	84	312162	25.05	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.20%
36) 1,2-Dichloropropane-d6	9.12	67	98511	26.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.04%
41) Toluene-d8	10.18	98	285054	25.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.72%
43) trans-1,3-Dichloropropene-	10.44	79	46808	25.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.12%
47) 2-Hexanone-d5	10.79	63	61043	56.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.96%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	92300	26.40	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.60%
66) 1,2-Dichlorobenzene-d4	13.72	152	111136	25.68	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.72%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	69549	24.981	ug/L 100
3) Chloromethane	2.12	50	77304	24.207	ug/L 99
5) Vinyl chloride	2.26	62	80197	24.905	ug/L 95
6) Bromomethane	2.66	94	52267	25.240	ug/L 81
8) Chloroethane	2.80	64	51856	25.758	ug/L 98
9) Trichlorofluoromethane	3.14	101	130492	25.859	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	85318	25.674	ug/L # 75
12) 1,1-Dichloroethene	3.89	96	81133	25.629	ug/L 95
13) Acetone	3.96	43	46195m	50.141	ug/L
14) Carbon disulfide	4.21	76	266772	26.045	ug/L 98
15) Methyl Acetate	4.49	43	59953	25.689	ug/L # 83
16) Methylene chloride	4.73	84	100515	21.613	ug/L 99
17) trans-1,2-Dichloroethene	5.24	96	90342	25.584	ug/L 95
18) Methyl tert-butyl Ether	5.23	73	236988	26.588	ug/L # 94
19) 1,1-Dichloroethane	6.03	63	154605	26.365	ug/L 95
20) cis-1,2-Dichloroethene	7.00	96	99673	26.345	ug/L 84
22) 2-Butanone	7.00	43	78610	48.270	ug/L 85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.35	128	48832	25.938	ug/L	92
25) Chloroform	7.52	83	157705	26.351	ug/L	96
27) 1,2-Dichloroethane	8.25	62	105557	26.265	ug/L	99
29) Cyclohexane	7.79	56	144144	26.870	ug/L	96
30) 1,1,1-Trichloroethane	7.71	97	138534	26.461	ug/L	99
31) Carbon tetrachloride	7.91	117	122981	25.942	ug/L	94
33) Benzene	8.17	78	370370	26.030	ug/L	100
34) Trichloroethene	8.94	95	99962	26.107	ug/L	94
35) Methylcyclohexane	9.18	83	161337	26.751	ug/L	98
37) 1,2-Dichloropropane	9.22	63	94894	26.691	ug/L	98
38) Bromodichloromethane	9.50	83	120208	26.429	ug/L #	86
39) cis-1,3-Dichloropropene	9.93	75	151850	27.079	ug/L	98
40) 4-Methyl-2-pentanone	10.07	43	171509	53.297	ug/L	99
42) Toluene	10.25	91	402482	26.556	ug/L	99
44) trans-1,3-Dichloropropene	10.47	75	140431	26.890	ug/L	94
45) 1,1,2-Trichloroethane	10.65	97	80062	25.796	ug/L	93
46) Tetrachloroethene	10.72	164	79713	25.912	ug/L	94
48) 2-Hexanone	10.83	43	123746	55.139	ug/L	98
49) Dibromochloromethane	10.98	129	96717	27.040	ug/L	91
50) 1,2-Dibromoethane	11.09	107	79784	26.636	ug/L #	94
51) Chlorobenzene	11.51	112	261377	26.093	ug/L	93
52) Ethylbenzene	11.59	91	437558	26.762	ug/L	97
53) m,p-Xylene	11.70	106	169961	26.583	ug/L	97
54) o-Xylene	12.03	106	164784	26.969	ug/L	98
55) Styrene	12.04	104	286003	27.406	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.58	83	89506	26.580	ug/L	93
59) Bromoform	12.21	173	64683	26.062	ug/L #	96
60) Isopropylbenzene	12.33	105	436325	26.939	ug/L	99
61) 1,2,3-Trichloropropane	12.64	75	78448	26.404	ug/L	95
62) 1,3,5-Trimethylbenzene	12.81	105	353288	27.505	ug/L	98
63) 1,2,4-Trimethylbenzene	13.12	105	349291	27.378	ug/L	99
64) 1,3-Dichlorobenzene	13.37	146	211257	26.909	ug/L	97
65) 1,4-Dichlorobenzene	13.45	146	209498	26.351	ug/L	97
67) 1,2-Dichlorobenzene	13.74	146	194470	26.634	ug/L	96
68) 1,2-Dibromo-3-chloropropan	14.35	75	17545	26.882	ug/L	83
69) 1,3,5-Trichlorobenzene	14.50	180	149803	26.922	ug/L	97
70) 1,2,4-trichlorobenzene	15.01	180	129202	27.316	ug/L	94
71) Naphthalene	15.23	128	277039	27.598	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	117250	27.030	ug/L	97

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

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