

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111119\
 Data File : VY000641.D
 Acq On : 11 Nov 2019 15:24
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025861

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 1:44:19 PM

Quant Time: Nov 12 05:37:24 2019

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

Quant Title : VOC Analysis

QLast Update : Tue Nov 12 04:50:16 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	369464	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	339953	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	165547	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	143352	25.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.88%
7) Chloroethane-d5	2.76	69	125206	25.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.12%
11) 1,1-Dichloroethene-d2	3.85	63	262580	26.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	107.52%
21) 2-Butanone-d5	6.90	46	117173	47.41	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.82%
24) Chloroform-d	7.49	84	255632	26.55	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.20%
26) 1,2-Dichloroethane-d4	8.14	65	151616	26.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.32%
32) Benzene-d6	8.11	84	534102	27.17	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.68%
36) 1,2-Dichloropropane-d6	9.13	67	165595	27.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.56%
41) Toluene-d8	10.18	98	488253	26.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.88%
43) trans-1,3-Dichloropropene-	10.44	79	80954	26.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	107.08%
47) 2-Hexanone-d5	10.79	63	99079	52.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.68%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	166958	25.74	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.96%
66) 1,2-Dichlorobenzene-d4	13.72	152	177309	27.42	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	109.68%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.90	85	128989	25.120	ug/L	98
3) Chloromethane	2.11	50	168697	25.020	ug/L	96
5) Vinyl chloride	2.25	62	167788	26.651	ug/L	100
6) Bromomethane	2.65	94	81168	28.162	ug/L	90
8) Chloroethane	2.79	64	104405	26.872	ug/L	94
9) Trichlorofluoromethane	3.13	101	242019	27.243	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	142703	27.667	ug/L	98
12) 1,1-Dichloroethene	3.87	96	135113	27.531	ug/L	97
13) Acetone	3.95	43	80900	34.313	ug/L	96
14) Carbon disulfide	4.19	76	424168	27.254	ug/L	100
15) Methyl Acetate	4.48	43	97625	23.236	ug/L	97
16) Methylene chloride	4.72	84	151716	25.198	ug/L	93
17) trans-1,2-Dichloroethene	5.22	96	149631	27.437	ug/L	95
18) Methyl tert-butyl Ether	5.22	73	404690	26.040	ug/L	99
19) 1,1-Dichloroethane	6.02	63	260266	27.226	ug/L	99
20) cis-1,2-Dichloroethene	6.99	96	163056	26.706	ug/L	96
22) 2-Butanone	6.99	43	147609	40.862	ug/L	100

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

23) Bromochloromethane	7.34	128	72031	26.243	ug/L #	88
25) Chloroform	7.52	83	271189	27.468	ug/L	98
27) 1,2-Dichloroethane	8.24	62	189104	26.815	ug/L	98
29) Cyclohexane	7.78	56	262842	28.305	ug/L	99
30) 1,1,1-Trichloroethane	7.71	97	230634	28.125	ug/L	99
31) Carbon tetrachloride	7.91	117	209126	27.655	ug/L	99
33) Benzene	8.16	78	618263	27.691	ug/L	100
34) Trichloroethene	8.94	95	164830	27.975	ug/L	98
35) Methylcyclohexane	9.19	83	279359	27.602	ug/L	97
37) 1,2-Dichloropropane	9.22	63	155456	27.291	ug/L	99
38) Bromodichloromethane	9.50	83	200406	27.653	ug/L	97
39) cis-1,3-Dichloropropene	9.93	75	254856	27.922	ug/L	99
40) 4-Methyl-2-pentanone	10.07	43	305429	48.658	ug/L	99
42) Toluene	10.24	91	665166	27.897	ug/L	100
44) trans-1,3-Dichloropropene	10.47	75	220123	27.290	ug/L	96
45) 1,1,2-Trichloroethane	10.64	97	127431	26.353	ug/L	92
46) Tetrachloroethene	10.72	164	122744	27.290	ug/L	98
48) 2-Hexanone	10.83	43	242783	49.477	ug/L	100
49) Dibromochloromethane	10.99	129	146768	26.937	ug/L	98
50) 1,2-Dibromoethane	11.09	107	128679	26.312	ug/L	96
51) Chlorobenzene	11.52	112	414387	27.209	ug/L	98
52) Ethylbenzene	11.59	91	762824	28.045	ug/L	99
53) m,p-Xylene	11.70	106	288452	27.675	ug/L	96
54) o-Xylene	12.03	106	275743	27.240	ug/L	95
55) Styrene	12.04	104	481331	28.117	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.58	83	165442	25.240	ug/L	99
59) Bromoform	12.20	173	91315	26.014	ug/L	99
60) Isopropylbenzene	12.33	105	743730	28.222	ug/L	99
61) 1,2,3-Trichloropropane	12.63	75	133288	25.433	ug/L	99
62) 1,3,5-Trimethylbenzene	12.81	105	619496m	28.686	ug/L	
63) 1,2,4-Trimethylbenzene	13.12	105	604620	28.392	ug/L	94
64) 1,3-Dichlorobenzene	13.36	146	322729	27.320	ug/L	96
65) 1,4-Dichlorobenzene	13.44	146	325238	27.364	ug/L	99
67) 1,2-Dichlorobenzene	13.73	146	300537	27.165	ug/L	99
68) 1,2-Dibromo-3-chloropropan	14.36	75	31076	25.616	ug/L	95
69) 1,3,5-Trichlorobenzene	14.50	180	234543	28.765	ug/L	99
70) 1,2,4-trichlorobenzene	15.00	180	203844	27.448	ug/L	98
71) Naphthalene	15.23	128	509826	26.277	ug/L	100
72) 1,2,3-Trichlorobenzene	15.42	180	189589	27.556	ug/L	99

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

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