

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY110519\
 Data File : VY000535.D
 Acq On : 05 Nov 2019 13:07
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VICV821

Manual Integrations
 APPROVED

MMDadoda
 11/7/2019 9:58:10 AM

Quant Time: Nov 06 07:08:42 2019

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

Quant Title : VOC Analysis

QLast Update : Wed Nov 06 07:01:34 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	395825	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	363756	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	177486	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	154888	25.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.72%
7) Chloroethane-d5	2.76	69	127199	24.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.84%
11) 1,1-Dichloroethene-d2	3.85	63	252237	24.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.40%
21) 2-Butanone-d5	6.89	46	115444	43.60	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.20%
24) Chloroform-d	7.49	84	245837	23.83	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.32%
26) 1,2-Dichloroethane-d4	8.15	65	146746	23.56	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.24%
32) Benzene-d6	8.12	84	512206	24.35	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	9.13	67	162201	25.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.20%
41) Toluene-d8	10.18	98	477452	24.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.68%
43) trans-1,3-Dichloropropene-	10.44	79	79528	24.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.32%
47) 2-Hexanone-d5	10.79	63	91976	45.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.68%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	162984	23.48	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.92%
66) 1,2-Dichlorobenzene-d4	13.72	152	167430	24.15	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	122971	22.353	ug/L	100
3) Chloromethane	2.11	50	166101	22.994	ug/L	99
5) Vinyl chloride	2.25	62	162659	24.116	ug/L	98
6) Bromomethane	2.65	94	82806	26.817	ug/L	87
8) Chloroethane	2.80	64	96322	23.141	ug/L	94
9) Trichlorofluoromethane	3.13	101	220782	23.198	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	127500	23.073	ug/L	99
12) 1,1-Dichloroethene	3.87	96	121603	23.128	ug/L	90
13) Acetone	3.96	43	92658	36.682	ug/L	98
14) Carbon disulfide	4.19	76	403004	24.170	ug/L	99
15) Methyl Acetate	4.48	43	95147	21.138	ug/L	99
16) Methylene chloride	4.72	84	144802	22.448	ug/L	96
17) trans-1,2-Dichloroethene	5.22	96	139802	23.927	ug/L	93
18) Methyl tert-butyl Ether	5.22	73	382161	22.953	ug/L	100
19) 1,1-Dichloroethane	6.03	63	237521	23.192	ug/L	99
20) cis-1,2-Dichloroethene	6.99	96	151834	23.212	ug/L	90
22) 2-Butanone	6.99	43	152577	39.424	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.35	128	65167	22.161	ug/L	86
25) Chloroform	7.52	83	246643	23.318	ug/L	94
27) 1,2-Dichloroethane	8.24	62	175134	23.180	ug/L	99
29) Cyclohexane	7.79	56	241581	24.313	ug/L	99
30) 1,1,1-Trichloroethane	7.71	97	213398	24.320	ug/L	100
31) Carbon tetrachloride	7.91	117	190840	23.585	ug/L	100
33) Benzene	8.17	78	572313	23.956	ug/L	100
34) Trichloroethene	8.94	95	148649	23.578	ug/L	97
35) Methylcyclohexane	9.19	83	261486	24.145	ug/L	97
37) 1,2-Dichloropropane	9.22	63	144717	23.743	ug/L	99
38) Bromodichloromethane	9.50	83	186672	24.072	ug/L	97
39) cis-1,3-Dichloropropene	9.93	75	240144	24.588	ug/L	100
40) 4-Methyl-2-pentanone	10.07	43	291904	43.460	ug/L	99
42) Toluene	10.25	91	611335	23.962	ug/L	99
44) trans-1,3-Dichloropropene	10.47	75	209185	24.237	ug/L	96
45) 1,1,2-Trichloroethane	10.64	97	119704	23.135	ug/L	95
46) Tetrachloroethene	10.72	164	112963	23.472	ug/L	95
48) 2-Hexanone	10.83	43	226369	43.113	ug/L	98
49) Dibromochloromethane	10.99	129	137649	23.610	ug/L	95
50) 1,2-Dibromoethane	11.09	107	119149	22.769	ug/L	94
51) Chlorobenzene	11.52	112	389291	23.888	ug/L	99
52) Ethylbenzene	11.59	91	700159	24.057	ug/L	98
53) m,p-Xylene	11.70	106	272915	24.471	ug/L	96
54) o-Xylene	12.03	106	259177	23.928	ug/L	97
55) Styrene	12.05	104	453278	24.745	ug/L	93
57) 1,1,2,2-Tetrachloroethane	12.58	83	157966	22.522	ug/L	98
59) Bromoform	12.20	173	87769	23.322	ug/L	98
60) Isopropylbenzene	12.33	105	700018	24.777	ug/L	99
61) 1,2,3-Trichloropropane	12.63	75	126569	22.527	ug/L	99
62) 1,3,5-Trimethylbenzene	12.81	105	574453m	24.811	ug/L	
63) 1,2,4-Trimethylbenzene	13.12	105	564434	24.722	ug/L	95
64) 1,3-Dichlorobenzene	13.36	146	306972	24.238	ug/L	97
65) 1,4-Dichlorobenzene	13.44	146	311635	24.455	ug/L	98
67) 1,2-Dichlorobenzene	13.73	146	285109	24.037	ug/L	98
68) 1,2-Dibromo-3-chloropropan	14.36	75	29092	22.367	ug/L	97
69) 1,3,5-Trichlorobenzene	14.50	180	221410	25.328	ug/L	99
70) 1,2,4-trichlorobenzene	15.01	180	197975	24.864	ug/L	99
71) Naphthalene	15.23	128	509456	24.492	ug/L	100
72) 1,2,3-Trichlorobenzene	15.42	180	182774	24.778	ug/L	98

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

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