

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV040319\
 Data File : VV010105.D
 Acq On : 03 Apr 2019 21:33
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02579

Quant Time: Apr 04 05:58:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 03 06:44:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	255415	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	258049	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	133417	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	73035	21.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.44%
7) Chloroethane-d5	1.57	69	68944	16.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	64.92%
10) 1,1-Dichloroethene-d2	2.13	63	187801	21.77	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.08%
20) 2-Butanone-d5	3.93	46	49410	50.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.56%
24) Chloroform-d	4.40	84	157039	24.40	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.08	65	92402	25.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.68%
29) Benzene-d6	5.10	84	318607	23.81	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.24%
33) 1,2-Dichloropropane-d6	6.12	67	93926	23.78	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.12%
37) Toluene-d8	7.36	98	316318	24.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.12%
38) trans-1,3-Dichloropropene-	7.66	79	41062	24.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.28%
39) 2-Hexanone-d5	8.13	63	36692	46.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.64%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	97146	24.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.76%
61) 1,2-Dichlorobenzene-d4	11.67	152	127808	24.59	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.36%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	79171	21.431	ug/L 99
3) Chloromethane	1.25	50	73498	22.326	ug/L 100
5) Vinyl chloride	1.33	62	78931	22.013	ug/L 100
6) Bromomethane	1.51	94	74832	18.449	ug/L 97
8) Chloroethane	1.59	64	54431	17.365	ug/L 97
9) Trichlorofluoromethane	1.77	101	165514	22.394	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	97492	23.720	ug/L 100
12) 1,1-Dichloroethene	2.14	96	80107	22.941	ug/L 88
13) Acetone	2.19	43	41193	42.820	ug/L 97
14) Carbon disulfide	2.32	76	154158	21.272	ug/L 100
15) Methyl Acetate	2.46	43	36499	23.712	ug/L 97
16) Methylene chloride	2.54	84	87704	19.544	ug/L 96
17) Methyl tert-butyl Ether	2.81	73	187770	25.107	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	72024	23.613	ug/L 97
19) 1,1-Dichloroethane	3.23	63	129742	25.036	ug/L 98
21) 2-Butanone	4.01	43	51151	48.552	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	85460	25.234	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	41498	25.254	ug/L	93
25) Chloroform	4.43	83	154768	26.650	ug/L	99
27) 1,2-Dichloroethane	5.18	62	99890	25.215	ug/L	100
30) Cyclohexane	4.73	56	100273	21.526	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	118983	22.609	ug/L	100
32) Carbon tetrachloride	4.88	117	110973	23.592	ug/L	99
34) Benzene	5.15	78	303822	24.076	ug/L	100
35) Trichloroethene	5.96	95	82342	22.670	ug/L	97
36) Methylcyclohexane	6.18	83	122526	22.517	ug/L	99
40) 1,2-Dichloropropane	6.22	63	75739	23.754	ug/L	98
41) Bromodichloromethane	6.55	83	100074	24.135	ug/L	93
42) cis-1,3-Dichloropropene	7.07	75	110721	23.989	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	107466	45.554	ug/L	99
44) Toluene	7.43	91	346495	24.465	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	98112	24.995	ug/L	95
46) 1,1,2-Trichloroethane	7.88	97	68758	24.320	ug/L	94
47) Tetrachloroethene	8.02	164	72612	23.883	ug/L	97
49) 2-Hexanone	8.18	43	77942	46.257	ug/L	96
50) Dibromochloromethane	8.29	129	77994	24.609	ug/L	99
51) 1,2-Dibromoethane	8.40	107	68785	24.619	ug/L	99
52) Chlorobenzene	8.93	112	236448	24.476	ug/L	99
53) Ethylbenzene	9.05	91	385682	24.834	ug/L	98
54) m,p-Xylene	9.18	106	151097	24.997	ug/L	97
55) o-xylene	9.59	106	151260	25.829	ug/L	95
56) Styrene	9.60	104	256434	26.471	ug/L	98
57) Isopropylbenzene	9.97	105	391918	25.377	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	89939	24.769	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	64722	24.857	ug/L	97
62) Bromoform	9.77	173	44444	23.685	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	196171	25.050	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	199871	24.502	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	188408	24.491	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	11214	21.499	ug/L	89
67) 1,3,5-Trichlorobenzene	12.69	180	141775	24.379	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	99962	22.447	ug/L	100
69) Naphthalene	13.55	128	144740	19.536	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	97860	23.538	ug/L	99

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

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