

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV022619\
 Data File : VV009366.D
 Acq On : 26 Feb 2019 13:40
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02587

Quant Time: Feb 27 04:36:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022619S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 26 12:32:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	175183	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	172386	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	84149	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	59710	27.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.36%
7) Chloroethane-d5	1.58	69	81784	28.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	114.16%
10) 1,1-Dichloroethene-d2	2.13	63	153454	26.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	105.32%
20) 2-Butanone-d5	3.95	46	40827	61.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	122.98%
24) Chloroform-d	4.40	84	116450	27.41	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.64%
26) 1,2-Dichloroethane-d4	5.08	65	66731	28.39	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	113.56%
29) Benzene-d6	5.10	84	236846	25.85	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.40%
33) 1,2-Dichloropropane-d6	6.12	67	69433	25.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.40%
37) Toluene-d8	7.36	98	232714	26.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.88%
38) trans-1,3-Dichloropropene-	7.66	79	35033	26.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.40%
39) 2-Hexanone-d5	8.14	63	34077	59.96	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.92%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	77094	29.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	117.56%
61) 1,2-Dichlorobenzene-d4	11.67	152	86186	27.65	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	110.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	54655	24.647	ug/L	98
3) Chloromethane	1.25	50	58923	25.034	ug/L	99
5) Vinyl chloride	1.32	62	64741	24.757	ug/L	99
6) Bromomethane	1.54	94	70204	24.962	ug/L	99
8) Chloroethane	1.60	64	64378	28.871	ug/L	99
9) Trichlorofluoromethane	1.77	101	127006	24.086	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	71158	24.321	ug/L	98
12) 1,1-Dichloroethene	2.14	96	58438	23.229	ug/L	97
13) Acetone	2.21	43	43917	57.851	ug/L	99
14) Carbon disulfide	2.32	76	166586	25.485	ug/L	100
15) Methyl Acetate	2.47	43	28246	28.159	ug/L	96
16) Methylene chloride	2.54	84	55503	23.391	ug/L	99
17) Methyl tert-butyl Ether	2.81	73	136937	25.015	ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	55335	25.307	ug/L	99
19) 1,1-Dichloroethane	3.23	63	96166	24.757	ug/L	98
21) 2-Butanone	4.03	43	52881	55.899	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	61281	24.928	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	27474	24.903	ug/L	95
25) Chloroform	4.43	83	102508	24.249	ug/L	100
27) 1,2-Dichloroethane	5.18	62	71444	24.432	ug/L	99
30) Cyclohexane	4.73	56	94490	23.140	ug/L	100
31) 1,1,1-Trichloroethane	4.66	97	93643	22.873	ug/L	98
32) Carbon tetrachloride	4.88	117	77892	22.307	ug/L	99
34) Benzene	5.15	78	223746	23.279	ug/L	100
35) Trichloroethene	5.96	95	60165	22.614	ug/L	98
36) Methylcyclohexane	6.18	83	104889	22.579	ug/L	98
40) 1,2-Dichloropropane	6.22	63	55614	23.291	ug/L	99
41) Bromodichloromethane	6.56	83	77320	22.771	ug/L	95
42) cis-1,3-Dichloropropene	7.07	75	95925	25.284	ug/L	99
43) 4-Methyl-2-pentanone	7.28	43	89691	52.540	ug/L	100
44) Toluene	7.43	91	257010	23.908	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	83644	24.318	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	48827	24.756	ug/L	96
47) Tetrachloroethene	8.02	164	47428	24.067	ug/L	93
49) 2-Hexanone	8.19	43	75296	52.825	ug/L	98
50) Dibromochloromethane	8.29	129	59974	24.310	ug/L	97
51) 1,2-Dibromoethane	8.40	107	49523	24.942	ug/L #	97
52) Chlorobenzene	8.93	112	169712	24.374	ug/L	97
53) Ethylbenzene	9.06	91	300816	24.467	ug/L	97
54) m,p-Xylene	9.18	106	116251	24.273	ug/L	96
55) o-xylene	9.59	106	112203	24.710	ug/L	93
56) Styrene	9.60	104	189428	24.870	ug/L	99
57) Isopropylbenzene	9.98	105	306519	24.707	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	68836	25.666	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	49502	25.914	ug/L	98
62) Bromoform	9.78	173	37804	25.025	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	128544	23.797	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	128786	23.886	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	125559	24.740	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	12475	24.895	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	89685	23.514	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	70402	23.777	ug/L	99
69) Naphthalene	13.55	128	150825	25.157	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	64430	23.475	ug/L	99

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

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