

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
 Data File : VV010234.D
 Acq On : 11 Apr 2019 10:01
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02564

Quant Time: Apr 12 01:16:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 11 07:05:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	300528	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	279185	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	142454	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	88795	25.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.68%
7) Chloroethane-d5	1.56	69	74694	25.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.48%
10) 1,1-Dichloroethene-d2	2.13	63	225612	25.62	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	102.48%
20) 2-Butanone-d5	3.92	46	45500	51.97	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.94%
24) Chloroform-d	4.40	84	180078	26.24	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.96%
26) 1,2-Dichloroethane-d4	5.08	65	92919	23.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.08%
29) Benzene-d6	5.09	84	346764	25.76	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.04%
33) 1,2-Dichloropropane-d6	6.12	67	99722	24.90	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.60%
37) Toluene-d8	7.36	98	349980	26.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.64%
38) trans-1,3-Dichloropropene-	7.66	79	43079	25.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.20%
39) 2-Hexanone-d5	8.13	63	36172	52.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.60%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	91096	25.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.40%
61) 1,2-Dichlorobenzene-d4	11.67	152	130469	24.80	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	138198	28.696 ug/L	99
3) Chloromethane	1.25	50	110863	28.054 ug/L	99
5) Vinyl chloride	1.32	62	121428	28.574 ug/L	100
6) Bromomethane	1.51	94	93886	27.259 ug/L	98
8) Chloroethane	1.58	64	74834	28.241 ug/L	100
9) Trichlorofluoromethane	1.76	101	241272	28.034 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	127428	27.657 ug/L	98
12) 1,1-Dichloroethene	2.14	96	113867	28.718 ug/L	90
13) Acetone	2.18	43	44570	47.649 ug/L	92
14) Carbon disulfide	2.31	76	287460	30.021 ug/L	99
15) Methyl Acetate	2.45	43	43236	25.953 ug/L	97
16) Methylene chloride	2.53	84	106748	18.137 ug/L	97
17) Methyl tert-butyl Ether	2.80	73	225107	26.236 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	106259	28.205 ug/L	91
19) 1,1-Dichloroethane	3.23	63	169830	27.404 ug/L	98
21) 2-Butanone	4.01	43	58037	54.399 ug/L	92
22) cis-1,2-Dichloroethene	3.96	96	112189	27.368 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	52896	26.205	ug/L	92
25) Chloroform	4.42	83	191955	26.076	ug/L	97
27) 1,2-Dichloroethane	5.17	62	123226	26.156	ug/L	96
30) Cyclohexane	4.72	56	153212	29.305	ug/L	98
31) 1,1,1-Trichloroethane	4.65	97	176596	30.239	ug/L	100
32) Carbon tetrachloride	4.87	117	166226	30.545	ug/L	100
34) Benzene	5.14	78	395536	27.949	ug/L	100
35) Trichloroethene	5.96	95	117562	28.751	ug/L	99
36) Methylcyclohexane	6.17	83	190052	31.104	ug/L	99
40) 1,2-Dichloropropane	6.22	63	95456	27.565	ug/L	99
41) Bromodichloromethane	6.55	83	130927	28.375	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	145299	27.688	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	122445	54.632	ug/L	99
44) Toluene	7.43	91	455469	28.628	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	127160	28.873	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	80344	27.351	ug/L	99
47) Tetrachloroethene	8.02	164	106755	29.450	ug/L	98
49) 2-Hexanone	8.18	43	82277	55.835	ug/L	99
50) Dibromochloromethane	8.29	129	101864	28.348	ug/L	97
51) 1,2-Dibromoethane	8.40	107	82791	27.634	ug/L	99
52) Chlorobenzene	8.92	112	309026	27.836	ug/L	98
53) Ethylbenzene	9.05	91	512327	29.202	ug/L	100
54) m,p-Xylene	9.18	106	204556	29.556	ug/L	99
55) o-xylene	9.59	106	196050	28.446	ug/L	100
56) Styrene	9.60	104	317011	28.889	ug/L	98
57) Isopropylbenzene	9.97	105	527381	30.107	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	98805	27.215	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	71657	26.818	ug/L	98
62) Bromoform	9.77	173	58210	28.156	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	246481	27.905	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	247773	27.567	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	226849	26.905	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	12940	27.129	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	184312	28.160	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	125337	27.948	ug/L	98
69) Naphthalene	13.55	128	161243	26.458	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	112279	26.995	ug/L	97

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

