

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV040419\
 Data File : VV010107.D
 Acq On : 04 Apr 2019 13:33
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02599

Quant Time: Apr 04 16:11:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 04 06:01:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	272943	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	254485	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	126728	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	84143	23.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.12%
7) Chloroethane-d5	1.57	69	85220	18.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.12%
10) 1,1-Dichloroethene-d2	2.12	63	214175	23.24	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.96%
20) 2-Butanone-d5	3.94	46	56184	54.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.06%
24) Chloroform-d	4.40	84	176718	25.70	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.80%
26) 1,2-Dichloroethane-d4	5.08	65	97175	25.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.04%
29) Benzene-d6	5.09	84	349579	26.49	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.96%
33) 1,2-Dichloropropane-d6	6.11	67	100348	25.76	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.04%
37) Toluene-d8	7.36	98	338289	26.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.40%
38) trans-1,3-Dichloropropene-	7.66	79	41728	25.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.24%
39) 2-Hexanone-d5	8.14	63	41237	52.79	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.58%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	100999	26.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.16%
61) 1,2-Dichlorobenzene-d4	11.67	152	128788	26.09	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.36%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	94224	23.868	ug/L	99
3) Chloromethane	1.25	50	86083	24.470	ug/L	99
5) Vinyl chloride	1.32	62	93766	24.471	ug/L	94
6) Bromomethane	1.53	94	96846	22.343	ug/L	98
8) Chloroethane	1.59	64	72920	21.769	ug/L	97
9) Trichlorofluoromethane	1.76	101	201169	25.470	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	112026	25.506	ug/L	98
12) 1,1-Dichloroethene	2.14	96	93313	25.006	ug/L	80
13) Acetone	2.20	43	53350	51.896	ug/L	98
14) Carbon disulfide	2.31	76	191097	24.676	ug/L	99
15) Methyl Acetate	2.46	43	40946	24.892	ug/L	100
16) Methylene chloride	2.53	84	93412	19.479	ug/L	97
17) Methyl tert-butyl Ether	2.80	73	199379	24.948	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	84490	25.922	ug/L	98
19) 1,1-Dichloroethane	3.23	63	145153	26.211	ug/L	98
21) 2-Butanone	4.03	43	56875	50.518	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	92752	25.628	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	45252	25.770	ug/L	92
25) Chloroform	4.42	83	163472	26.341	ug/L	100
27) 1,2-Dichloroethane	5.18	62	107705	25.442	ug/L	97
30) Cyclohexane	4.72	56	125647	27.351	ug/L	100
31) 1,1,1-Trichloroethane	4.65	97	144690	27.878	ug/L	98
32) Carbon tetrachloride	4.87	117	130452	28.121	ug/L	98
34) Benzene	5.14	78	338585	27.207	ug/L	100
35) Trichloroethene	5.96	95	96107	26.831	ug/L	99
36) Methylcyclohexane	6.17	83	148511	27.675	ug/L	99
40) 1,2-Dichloropropane	6.22	63	82307	26.176	ug/L	99
41) Bromodichloromethane	6.55	83	108824	26.612	ug/L	95
42) cis-1,3-Dichloropropene	7.07	75	122235	26.855	ug/L	96
43) 4-Methyl-2-pentanone	7.27	43	121156	52.077	ug/L	99
44) Toluene	7.43	91	372876	26.697	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	105735	27.314	ug/L	93
46) 1,1,2-Trichloroethane	7.88	97	75029	26.910	ug/L	99
47) Tetrachloroethene	8.02	164	82160	27.402	ug/L	96
49) 2-Hexanone	8.19	43	89613	53.928	ug/L	99
50) Dibromochloromethane	8.29	129	85200	27.260	ug/L	95
51) 1,2-Dibromoethane	8.40	107	72778	26.413	ug/L	99
52) Chlorobenzene	8.92	112	254894	26.755	ug/L	97
53) Ethylbenzene	9.05	91	422441	27.582	ug/L	99
54) m,p-Xylene	9.18	106	165070	27.691	ug/L	96
55) o-xylene	9.59	106	155940	27.001	ug/L	97
56) Styrene	9.60	104	266099	27.854	ug/L	99
57) Isopropylbenzene	9.97	105	436630	28.668	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	93340	26.065	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	67977	26.472	ug/L	99
62) Bromoform	9.77	173	48067	26.968	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	205280	27.597	ug/L	95
64) 1,4-Dichlorobenzene	11.32	146	209695	27.063	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	194117	26.565	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	13060	26.359	ug/L	91
67) 1,3,5-Trichlorobenzene	12.69	180	156962	28.416	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	117367	27.747	ug/L	98
69) Naphthalene	13.55	128	183999	26.146	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	108957	27.590	ug/L	96

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

