

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV041019\
 Data File : VV010209.D
 Acq On : 10 Apr 2019 10:50
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 10 11:10:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 09 07:35:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	275763	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	265994	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	135129	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	91047	24.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.64%
7) Chloroethane-d5	1.57	69	82215	17.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.72%
10) 1,1-Dichloroethene-d2	2.13	63	224369	24.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.36%
20) 2-Butanone-d5	3.93	46	45974	43.76	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.52%
24) Chloroform-d	4.40	84	192223	27.67	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	110.68%
26) 1,2-Dichloroethane-d4	5.08	65	101614	26.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.56%
29) Benzene-d6	5.10	84	386870	28.05	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	112.20%
33) 1,2-Dichloropropane-d6	6.12	67	109608	26.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.68%
37) Toluene-d8	7.36	98	382704	28.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	115.20%
38) trans-1,3-Dichloropropene-	7.66	79	46419	26.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.68%
39) 2-Hexanone-d5	8.13	63	34952	42.81	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.62%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	96281	23.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.92%
61) 1,2-Dichlorobenzene-d4	11.67	152	145028	27.55	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	110.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	97605	24.472	ug/L 99
3) Chloromethane	1.25	50	82242	23.139	ug/L 99
5) Vinyl chloride	1.33	62	95958	24.787	ug/L 100
6) Bromomethane	1.52	94	72200	16.487	ug/L 99
8) Chloroethane	1.59	64	64256	18.987	ug/L 99
9) Trichlorofluoromethane	1.77	101	206222	25.843	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	117529	26.485	ug/L 98
12) 1,1-Dichloroethene	2.14	96	92592	24.559	ug/L 96
13) Acetone	2.19	43	41380	39.841	ug/L 98
14) Carbon disulfide	2.32	76	183029	23.392	ug/L 98
15) Methyl Acetate	2.46	43	36688	22.076	ug/L 99
16) Methylene chloride	2.54	84	97915	20.210	ug/L 95
17) Methyl tert-butyl Ether	2.80	73	207932	25.752	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	87002	26.419	ug/L 99
19) 1,1-Dichloroethane	3.23	63	158436	28.317	ug/L 98
21) 2-Butanone	4.01	43	47642	41.884	ug/L 96
22) cis-1,2-Dichloroethene	3.96	96	102460	28.021	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	47905	27.001	ug/L	94
25) Chloroform	4.42	83	186901	29.808	ug/L	99
27) 1,2-Dichloroethane	5.18	62	110966	25.944	ug/L	100
30) Cyclohexane	4.72	56	124992	26.031	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	159878	29.472	ug/L	98
32) Carbon tetrachloride	4.87	117	146176	30.147	ug/L	97
34) Benzene	5.14	78	357424	27.478	ug/L	100
35) Trichloroethene	5.96	95	105742	28.243	ug/L	98
36) Methylcyclohexane	6.17	83	155976	27.809	ug/L	97
40) 1,2-Dichloropropane	6.22	63	90361	27.494	ug/L	100
41) Bromodichloromethane	6.55	83	122334	28.622	ug/L	96
42) cis-1,3-Dichloropropene	7.07	75	139541	29.331	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	100873	41.482	ug/L	96
44) Toluene	7.43	91	410370	28.110	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	117572	29.057	ug/L	96
46) 1,1,2-Trichloroethane	7.88	97	77346	26.541	ug/L	99
47) Tetrachloroethene	8.02	164	91069	29.059	ug/L	99
49) 2-Hexanone	8.18	43	68341	39.347	ug/L	97
50) Dibromochloromethane	8.29	129	91099	27.886	ug/L	99
51) 1,2-Dibromoethane	8.40	107	73669	25.579	ug/L	99
52) Chlorobenzene	8.92	112	289486	29.072	ug/L	98
53) Ethylbenzene	9.05	91	475008	29.673	ug/L	99
54) m,p-Xylene	9.18	106	188951	30.326	ug/L	99
55) o-xylene	9.59	106	181890	30.132	ug/L	95
56) Styrene	9.60	104	302201	30.264	ug/L	98
57) Isopropylbenzene	9.97	105	490359	30.802	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	92403	24.687	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	65487	24.399	ug/L	99
62) Bromoform	9.77	173	53699	28.255	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	235140	29.646	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	236547	28.631	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	218214	28.006	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	10946	20.719	ug/L	88
67) 1,3,5-Trichlorobenzene	12.69	180	177938	30.210	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	120452	26.706	ug/L	99
69) Naphthalene	13.55	128	149135	19.874	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	109138	25.918	ug/L	97

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

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