

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV040319\
 Data File : VV010088.D
 Acq On : 03 Apr 2019 12:19
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 VSTD02578

Quant Time: Apr 03 12:51:09 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	315705	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	299470	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	149679	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	104006	24.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.44%
7) Chloroethane-d5	1.57	69	139348	26.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.16%
10) 1,1-Dichloroethene-d2	2.13	63	262376	24.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	98.44%
20) 2-Butanone-d5	3.94	46	49154	40.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.74%
24) Chloroform-d	4.40	84	210158	26.42	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.68%
26) 1,2-Dichloroethane-d4	5.08	65	108229	24.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.28%
29) Benzene-d6	5.10	84	416595	26.82	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	107.28%
33) 1,2-Dichloropropane-d6	6.12	67	118621	25.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.52%
37) Toluene-d8	7.36	98	405325	27.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.36%
38) trans-1,3-Dichloropropene-	7.66	79	48346	24.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.72%
39) 2-Hexanone-d5	8.14	63	35599	38.73	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.46%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	101232	22.40	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.60%
61) 1,2-Dichlorobenzene-d4	11.67	152	152323	26.12	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.48%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	108265	23.710 ug/L	99
3) Chloromethane	1.25	50	97887	24.056 ug/L	97
5) Vinyl chloride	1.32	62	110007	24.821 ug/L	98
6) Bromomethane	1.53	94	115098	22.958 ug/L	100
8) Chloroethane	1.59	64	98318	25.376 ug/L	99
9) Trichlorofluoromethane	1.77	101	232396	25.438 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	132267	26.036 ug/L	98
12) 1,1-Dichloroethene	2.14	96	109116	25.281 ug/L	99
13) Acetone	2.20	43	46854	39.404 ug/L	98
14) Carbon disulfide	2.32	76	220691	24.637 ug/L	99
15) Methyl Acetate	2.46	43	38086	20.018 ug/L	99
16) Methylene chloride	2.53	84	109702	19.778 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	216425	23.412 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	95204	25.252 ug/L	99
19) 1,1-Dichloroethane	3.23	63	163840	25.578 ug/L	99
21) 2-Butanone	4.02	43	51197	39.315 ug/L	94
22) cis-1,2-Dichloroethene	3.96	96	105484	25.198 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	49882	24.559	ug/L	97
25) Chloroform	4.42	83	187755	26.156	ug/L	98
27) 1,2-Dichloroethane	5.18	62	118911	24.284	ug/L	98
30) Cyclohexane	4.72	56	144104	26.657	ug/L	100
31) 1,1,1-Trichloroethane	4.66	97	165953	27.172	ug/L	98
32) Carbon tetrachloride	4.87	117	151706	27.790	ug/L	99
34) Benzene	5.14	78	386520	26.393	ug/L	100
35) Trichloroethene	5.96	95	108586	25.761	ug/L	98
36) Methylcyclohexane	6.17	83	177201	28.061	ug/L	97
40) 1,2-Dichloropropane	6.22	63	91597	24.754	ug/L	100
41) Bromodichloromethane	6.55	83	126488	26.286	ug/L	93
42) cis-1,3-Dichloropropene	7.07	75	147669	27.569	ug/L	96
43) 4-Methyl-2-pentanone	7.27	43	110231	40.264	ug/L	99
44) Toluene	7.43	91	435380	26.489	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	116794	25.638	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	77706	23.684	ug/L	97
47) Tetrachloroethene	8.02	164	94585	26.808	ug/L	98
49) 2-Hexanone	8.18	43	76774	39.261	ug/L	99
50) Dibromochloromethane	8.29	129	91708	24.934	ug/L	93
51) 1,2-Dibromoethane	8.40	107	76370	23.553	ug/L	99
52) Chlorobenzene	8.92	112	289755	25.846	ug/L	99
53) Ethylbenzene	9.05	91	484472	26.881	ug/L	99
54) m,p-Xylene	9.18	106	194547	27.733	ug/L	95
55) o-xylene	9.59	106	185323	27.269	ug/L	94
56) Styrene	9.60	104	303878	27.030	ug/L	100
57) Isopropylbenzene	9.97	105	511328	28.529	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	90284	21.425	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	64926	21.486	ug/L	99
62) Bromoform	9.77	173	49720	23.618	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	235879	26.849	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	241227	26.359	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	224514	26.014	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	11519	19.684	ug/L	99
67) 1,3,5-Trichlorobenzene	12.69	180	183774	28.168	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	137161	27.454	ug/L	99
69) Naphthalene	13.55	128	194871	23.445	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	123676	26.515	ug/L	98

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

