

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV022219\
 Data File : VV009343.D
 Acq On : 22 Feb 2019 21:37
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02578

Quant Time: Feb 23 00:41:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022019S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Feb 23 00:37:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	92992	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	89031	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	42980	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	30261	24.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.84%
7) Chloroethane-d5	1.57	69	40752	27.84	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	111.36%
10) 1,1-Dichloroethene-d2	2.13	63	82664	27.18	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	108.72%
20) 2-Butanone-d5	3.94	46	23393	54.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.06%
24) Chloroform-d	4.40	84	54954	25.45	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.80%
26) 1,2-Dichloroethane-d4	5.08	65	30280	25.86	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.44%
29) Benzene-d6	5.10	84	111896	25.06	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.24%
33) 1,2-Dichloropropane-d6	6.12	67	34609	26.34	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.36%
37) Toluene-d8	7.36	98	106189	24.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.96%
38) trans-1,3-Dichloropropene-	7.66	79	16027	23.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.00%
39) 2-Hexanone-d5	8.14	63	19862	54.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.68%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	39018	27.16	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.64%
61) 1,2-Dichlorobenzene-d4	11.67	152	40194	25.46	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.84%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	18087	16.664 ug/L	95
3) Chloromethane	1.25	50	37322	28.145 ug/L	100
5) Vinyl chloride	1.32	62	39477	26.252 ug/L	98
6) Bromomethane	1.53	94	42225	30.173 ug/L	98
8) Chloroethane	1.59	64	29747	23.436 ug/L	100
9) Trichlorofluoromethane	1.76	101	76260	26.937 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	44233	27.321 ug/L	97
12) 1,1-Dichloroethene	2.14	96	38412	28.154 ug/L	90
13) Acetone	2.20	43	19575	46.249 ug/L	96
14) Carbon disulfide	2.32	76	87041	23.841 ug/L	98
15) Methyl Acetate	2.46	43	17372	28.149 ug/L	100
16) Methylene chloride	2.53	84	31402	22.323 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	79265	26.228 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	29814	24.256 ug/L	99
19) 1,1-Dichloroethane	3.23	63	51785	25.365 ug/L	97
21) 2-Butanone	4.03	43	27278	56.257 ug/L	93
22) cis-1,2-Dichloroethene	3.96	96	34318	25.559 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	15397	25.057	ug/L	91
25) Chloroform	4.43	83	54548	25.109	ug/L	97
27) 1,2-Dichloroethane	5.18	62	37078	25.205	ug/L	100
30) Cyclohexane	4.73	56	48660	23.578	ug/L	97
31) 1,1,1-Trichloroethane	4.66	97	44479	22.122	ug/L	98
32) Carbon tetrachloride	4.87	117	37123	21.849	ug/L	97
34) Benzene	5.15	78	118030	24.246	ug/L	100
35) Trichloroethene	5.96	95	30738	22.701	ug/L	98
36) Methylcyclohexane	6.18	83	51366	21.688	ug/L	97
40) 1,2-Dichloropropane	6.22	63	30730	26.009	ug/L #	95
41) Bromodichloromethane	6.56	83	40303	23.951	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	50686	25.278	ug/L	96
43) 4-Methyl-2-pentanone	7.28	43	51407	51.830	ug/L	99
44) Toluene	7.43	91	130337	24.140	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	41930	23.880	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	26282	24.979	ug/L	95
47) Tetrachloroethene	8.02	164	24797	23.432	ug/L	97
49) 2-Hexanone	8.19	43	38290	50.198	ug/L	98
50) Dibromochloromethane	8.29	129	30967	24.410	ug/L	98
51) 1,2-Dibromoethane	8.40	107	26698	25.300	ug/L	95
52) Chlorobenzene	8.93	112	86104	24.492	ug/L	98
53) Ethylbenzene	9.06	91	145209	23.806	ug/L	100
54) m,p-Xylene	9.18	106	57803	24.287	ug/L	95
55) o-xylene	9.59	106	55576	24.878	ug/L	99
56) Styrene	9.60	104	94389	24.621	ug/L	96
57) Isopropylbenzene	9.98	105	143320	23.175	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	38062	25.635	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	27087	25.459	ug/L	99
62) Bromoform	9.77	173	18691	23.522	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	65463	23.710	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	66488	24.159	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	64014	24.727	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	6638	23.089	ug/L	91
67) 1,3,5-Trichlorobenzene	12.69	180	46372	23.211	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	38102	23.374	ug/L	96
69) Naphthalene	13.55	128	83759	23.973	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	36571	24.310	ug/L	98

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

