

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010819\
 Data File : VV009205.D
 Acq On : 08 Jan 2019 20:34
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00 G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02563

Quant Time: Jan 09 00:44:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM010819S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 09 00:40:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	252173	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	239668	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	125700	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	58360	25.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.08%
7) Chloroethane-d5	1.58	69	41731	20.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.32%
10) 1,1-Dichloroethene-d2	2.13	63	149908	23.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.04%
20) 2-Butanone-d5	3.96	46	51821	51.79	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.58%
24) Chloroform-d	4.40	84	154468	26.32	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.28%
26) 1,2-Dichloroethane-d4	5.08	65	87948	27.55	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	110.20%
29) Benzene-d6	5.10	84	305940	25.46	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.84%
33) 1,2-Dichloropropane-d6	6.12	67	90101	26.19	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.76%
37) Toluene-d8	7.36	98	286263	25.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.68%
38) trans-1,3-Dichloropropene-	7.67	79	44947	26.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.32%
39) 2-Hexanone-d5	8.14	63	32191	51.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.44%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	91773	27.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.68%
61) 1,2-Dichlorobenzene-d4	11.67	152	118836	25.15	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	93805	22.962	ug/L 99
3) Chloromethane	1.25	50	67524	25.131	ug/L 97
5) Vinyl chloride	1.32	62	69006	24.891	ug/L 96
6) Bromomethane	1.54	94	46823	23.068	ug/L 96
8) Chloroethane	1.60	64	35898	20.206	ug/L 98
9) Trichlorofluoromethane	1.77	101	116325	22.402	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	76116	22.902	ug/L 96
12) 1,1-Dichloroethene	2.14	96	69482	23.934	ug/L 88
13) Acetone	2.22	43	56579	37.891	ug/L 90
14) Carbon disulfide	2.32	76	232732	23.786	ug/L 100
15) Methyl Acetate	2.47	43	44878	24.832	ug/L 92
16) Methylene chloride	2.54	84	86904	23.841	ug/L 89
17) Methyl tert-butyl Ether	2.81	73	210456	27.441	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	81493	24.686	ug/L 100
19) 1,1-Dichloroethane	3.23	63	136535	25.696	ug/L 98
21) 2-Butanone	4.05	43	66824	45.935	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	91641	26.329	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	45413	27.415	ug/L	97
25) Chloroform	4.43	83	148515	26.076	ug/L	100
27) 1,2-Dichloroethane	5.18	62	106394	27.504	ug/L	99
30) Cyclohexane	4.73	56	119723	23.120	ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	127827	23.327	ug/L	99
32) Carbon tetrachloride	4.88	117	115460	23.004	ug/L	98
34) Benzene	5.15	78	313154	24.817	ug/L	100
35) Trichloroethene	5.96	95	87160	24.199	ug/L	100
36) Methylcyclohexane	6.18	83	140476	23.100	ug/L	98
40) 1,2-Dichloropropane	6.22	63	78912	25.678	ug/L	99
41) Bromodichloromethane	6.56	83	108546	25.684	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	129100	26.738	ug/L	99
43) 4-Methyl-2-pentanone	7.28	43	127142	52.630	ug/L	99
44) Toluene	7.43	91	341016	25.166	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	114517	26.938	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	70852	26.447	ug/L	98
47) Tetrachloroethene	8.02	164	73374	23.620	ug/L	97
49) 2-Hexanone	8.19	43	93768	49.017	ug/L	96
50) Dibromochloromethane	8.29	129	86228	26.391	ug/L	98
51) 1,2-Dibromoethane	8.40	107	72138	26.379	ug/L	100
52) Chlorobenzene	8.93	112	233456	25.059	ug/L	99
53) Ethylbenzene	9.06	91	382290	24.970	ug/L	99
54) m,p-Xylene	9.18	106	144625	24.452	ug/L	96
55) o-xylene	9.59	106	144736	25.725	ug/L	100
56) Styrene	9.60	104	248469	26.548	ug/L	98
57) Isopropylbenzene	9.98	105	377846	24.722	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	88922	26.584	ug/L	95
59) 1,2,3-Trichloropropane	10.32	75	67923	25.757	ug/L	100
62) Bromoform	9.78	173	53824	25.287	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	189864	24.152	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	194635	24.297	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	184848	24.906	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	16293	24.483	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	149720	23.923	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	125354	24.727	ug/L	99
69) Naphthalene	13.55	128	245405	25.144	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	116747	25.224	ug/L	98

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

