

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV052219\
 Data File : VV011007.D
 Acq On : 22 May 2019 09:38
 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: May 23 08:00:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 22 05:24:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	133282	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	129295	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	63628	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	36773	24.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.80%
7) Chloroethane-d5	1.56	69	25161	24.46	ug/L	0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.84%
10) 1,1-Dichloroethene-d2	2.12	63	69514	23.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.16%
20) 2-Butanone-d5	3.93	46	24402	46.54	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.08%
24) Chloroform-d	4.40	84	81741	23.67	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.68%
26) 1,2-Dichloroethane-d4	5.08	65	45476	22.35	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.40%
29) Benzene-d6	5.09	84	176483	25.00	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.00%
33) 1,2-Dichloropropane-d6	6.11	67	54454	24.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.12%
37) Toluene-d8	7.36	98	168607	25.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.76%
38) trans-1,3-Dichloropropene-	7.66	79	21219	23.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.16%
39) 2-Hexanone-d5	8.13	63	17432	41.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.34%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	49402	22.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.24%
61) 1,2-Dichlorobenzene-d4	11.67	152	63214	24.47	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.88%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	49673	25.244	ug/L	99
3) Chloromethane	1.25	50	44242	24.822	ug/L	99
5) Vinyl chloride	1.32	62	47055	26.286	ug/L	97
6) Bromomethane	1.51	94	13199	21.146	ug/L	98
8) Chloroethane	1.58	64	23359	26.078	ug/L	96
9) Trichlorofluoromethane	1.76	101	74597	26.146	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	43187	26.544	ug/L	98
12) 1,1-Dichloroethene	2.13	96	36725	26.111	ug/L	91
13) Acetone	2.19	43	21156	41.843	ug/L	96
14) Carbon disulfide	2.31	76	96234	24.433	ug/L	99
15) Methyl Acetate	2.45	43	23548	24.240	ug/L	96
16) Methylene chloride	2.53	84	52754	23.063	ug/L	99
17) Methyl tert-butyl Ether	2.80	73	117873	23.685	ug/L	100
18) trans-1,2-Dichloroethene	2.78	96	50301	25.925	ug/L	98
19) 1,1-Dichloroethane	3.22	63	90536	25.626	ug/L	97
21) 2-Butanone	4.02	43	30829	44.557	ug/L	91
22) cis-1,2-Dichloroethene	3.96	96	55418	25.652	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	25484	24.891	ug/L	91
25) Chloroform	4.42	83	101050	25.277	ug/L	100
27) 1,2-Dichloroethane	5.17	62	58884	23.961	ug/L	96
30) Cyclohexane	4.72	56	73316	27.289	ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	81437	28.000	ug/L	99
32) Carbon tetrachloride	4.87	117	73349	27.655	ug/L	100
34) Benzene	5.14	78	204815	27.479	ug/L	100
35) Trichloroethene	5.96	95	54436	26.434	ug/L	95
36) Methylcyclohexane	6.17	83	89366	29.354	ug/L	98
40) 1,2-Dichloropropane	6.22	63	52562	26.834	ug/L	99
41) Bromodichloromethane	6.55	83	69543	26.562	ug/L	96
42) cis-1,3-Dichloropropene	7.07	75	77523	26.589	ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	63900	45.508	ug/L	98
44) Toluene	7.43	91	230516	27.870	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	62446	25.426	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	43956	26.335	ug/L	96
47) Tetrachloroethene	8.02	164	45263	28.157	ug/L	97
49) 2-Hexanone	8.18	43	45311	44.197	ug/L	99
50) Dibromochloromethane	8.29	129	51333	26.129	ug/L	100
51) 1,2-Dibromoethane	8.40	107	40361	25.005	ug/L	96
52) Chlorobenzene	8.92	112	152409	26.883	ug/L	98
53) Ethylbenzene	9.05	91	257044	28.520	ug/L	99
54) m,p-Xylene	9.18	106	101915	29.014	ug/L	100
55) o-xylene	9.59	106	97272	29.025	ug/L	100
56) Styrene	9.60	104	169808	29.400	ug/L	99
57) Isopropylbenzene	9.97	105	259556	29.359	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	54467	24.783	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	38179	23.648	ug/L	97
62) Bromoform	9.77	173	27730	24.550	ug/L	98
63) 1,3-Dichlorobenzene	11.22	146	118626	27.334	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	122001	27.296	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	116297	27.637	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	7998	23.926	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	90494	28.426	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	68613	27.269	ug/L	98
69) Naphthalene	13.55	128	120596	23.909	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	65548	26.684	ug/L	99

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

