

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050719\
 Data File : VV010726.D
 Acq On : 08 May 2019 13:23
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02588

Quant Time: May 09 02:28:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 09 02:24:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	99808	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	100070	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	45436	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	41369	26.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.72%
7) Chloroethane-d5	1.56	69	35757	28.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	112.08%
10) 1,1-Dichloroethene-d2	2.12	63	88811	26.41	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	105.64%
20) 2-Butanone-d5	3.93	46	24213	52.04	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.08%
24) Chloroform-d	4.40	84	76215	28.01	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	112.04%
26) 1,2-Dichloroethane-d4	5.08	65	46350	27.27	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.08%
29) Benzene-d6	5.09	84	147971	28.09	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	112.36%
33) 1,2-Dichloropropane-d6	6.12	67	46598	27.76	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	111.04%
37) Toluene-d8	7.36	98	139558	27.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	110.68%
38) trans-1,3-Dichloropropene-	7.66	79	20906	27.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	109.28%
39) 2-Hexanone-d5	8.13	63	18068	51.44	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.88%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	41752	26.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.88%
61) 1,2-Dichlorobenzene-d4	11.67	152	48237	27.41	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	109.64%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	34652	25.068	ug/L	98
3) Chloromethane	1.25	50	42850	25.482	ug/L	99
5) Vinyl chloride	1.32	62	49806	25.509	ug/L	99
6) Bromomethane	1.51	94	30134	31.824	ug/L	99
8) Chloroethane	1.58	64	31338	25.772	ug/L	98
9) Trichlorofluoromethane	1.76	101	75074	25.542	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	42750	25.476	ug/L	100
12) 1,1-Dichloroethene	2.13	96	41370	26.329	ug/L	91
13) Acetone	2.18	43	31531	43.774	ug/L	99
14) Carbon disulfide	2.31	76	100762	26.095	ug/L	99
15) Methyl Acetate	2.45	43	20087	23.343	ug/L	98
16) Methylene chloride	2.53	84	46077	29.857	ug/L	98
17) Methyl tert-butyl Ether	2.80	73	100597	25.568	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	36910	25.987	ug/L	98
19) 1,1-Dichloroethane	3.22	63	71562	26.098	ug/L	99
21) 2-Butanone	4.01	43	30756	45.052	ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	42951	26.472	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	19050	26.120	ug/L	95
25) Chloroform	4.42	83	78712	26.057	ug/L	99
27) 1,2-Dichloroethane	5.17	62	57976	26.258	ug/L	98
30) Cyclohexane	4.72	56	65320	26.026	ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	64217	25.737	ug/L	99
32) Carbon tetrachloride	4.87	117	57327	26.377	ug/L	100
34) Benzene	5.14	78	160577	27.335	ug/L	100
35) Trichloroethene	5.95	95	43175	26.238	ug/L	98
36) Methylcyclohexane	6.17	83	68923	26.134	ug/L	98
40) 1,2-Dichloropropane	6.22	63	40686	26.035	ug/L	99
41) Bromodichloromethane	6.55	83	56955	26.524	ug/L	96
42) cis-1,3-Dichloropropene	7.07	75	66884	27.059	ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	61772	46.959	ug/L	98
44) Toluene	7.43	91	175159	26.253	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	56296	27.048	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	33541	26.126	ug/L	99
47) Tetrachloroethene	8.02	164	30453	25.554	ug/L	92
49) 2-Hexanone	8.18	43	45926	45.921	ug/L	99
50) Dibromochloromethane	8.29	129	39026	26.435	ug/L	99
51) 1,2-Dibromoethane	8.40	107	32273	26.028	ug/L	98
52) Chlorobenzene	8.92	112	115375	26.469	ug/L	99
53) Ethylbenzene	9.05	91	202379	26.160	ug/L	98
54) m,p-Xylene	9.18	106	76969	26.630	ug/L	96
55) o-xylene	9.59	106	75083	26.191	ug/L	99
56) Styrene	9.60	104	125302	25.842	ug/L	95
57) Isopropylbenzene	9.97	105	196235	25.656	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	41747	24.820	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	31711	24.157	ug/L	98
62) Bromoform	9.77	173	20050	25.914	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	83508	26.404	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	83246	25.767	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	80605	26.240	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	6459	22.660	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	59995	26.334	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	47707	27.063	ug/L	97
69) Naphthalene	13.55	128	99413	26.347	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	42910	25.950	ug/L	95

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

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