

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051319\
 Data File : VV010851.D
 Acq On : 13 May 2019 23:23
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02596

Quant Time: May 14 02:25:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 14 01:59:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	146327	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	146642	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	64024	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	49494	26.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.20%
7) Chloroethane-d5	1.55	69	27738	22.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.32%
10) 1,1-Dichloroethene-d2	2.11	63	89730	25.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.76%
20) 2-Butanone-d5	3.93	46	37286	63.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	127.14%
24) Chloroform-d	4.39	84	99049	23.45	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.07	65	60018	24.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.96%
29) Benzene-d6	5.09	84	212471	26.18	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.72%
33) 1,2-Dichloropropane-d6	6.11	67	65522	25.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.20%
37) Toluene-d8	7.36	98	197349	25.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.20%
38) trans-1,3-Dichloropropene-	7.66	79	28515	25.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.96%
39) 2-Hexanone-d5	8.13	63	27312	55.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.32%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	61538	25.62	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.48%
61) 1,2-Dichlorobenzene-d4	11.67	152	64386	24.08	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.32%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.13	85	38800	23.900	ug/L	100
3) Chloromethane	1.24	50	46227	23.776	ug/L	99
5) Vinyl chloride	1.31	62	48757	23.293	ug/L	97
6) Bromomethane	1.50	94	13669	28.134	ug/L	98
8) Chloroethane	1.57	64	22393	20.684	ug/L	96
9) Trichlorofluoromethane	1.75	101	71215	23.767	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.12	101	42910	23.742	ug/L	99
12) 1,1-Dichloroethene	2.12	96	39505	23.428	ug/L	86
13) Acetone	2.18	43	28092	47.023	ug/L	96
14) Carbon disulfide	2.30	76	114458	22.535	ug/L	99
15) Methyl Acetate	2.45	43	31391	25.228	ug/L	99
16) Methylene chloride	2.52	84	50756	21.493	ug/L	98
17) Methyl tert-butyl Ether	2.80	73	135654	24.638	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	46118	22.960	ug/L	97
19) 1,1-Dichloroethane	3.22	63	90065	23.160	ug/L	97
21) 2-Butanone	4.01	43	42685	55.352	ug/L	95
22) cis-1,2-Dichloroethene	3.95	96	55844	23.757	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	25628	23.405	ug/L	97
25) Chloroform	4.42	83	100224	23.758	ug/L	98
27) 1,2-Dichloroethane	5.17	62	68470	23.263	ug/L	97
30) Cyclohexane	4.71	56	70797	25.112	ug/L	98
31) 1,1,1-Trichloroethane	4.65	97	76774	24.105	ug/L	99
32) Carbon tetrachloride	4.87	117	66303	24.395	ug/L	100
34) Benzene	5.14	78	203499	23.810	ug/L	100
35) Trichloroethene	5.96	95	54544	24.623	ug/L	97
36) Methylcyclohexane	6.17	83	76659	24.868	ug/L	99
40) 1,2-Dichloropropane	6.22	63	56351	24.207	ug/L	99
41) Bromodichloromethane	6.55	83	70209	23.520	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	83380	24.551	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	93610	56.940	ug/L	99
44) Toluene	7.43	91	226594	23.850	ug/L	96
45) trans-1,3-Dichloropropene	7.69	75	70844	24.682	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	46005	24.538	ug/L	96
47) Tetrachloroethene	8.02	164	38539	23.545	ug/L	93
49) 2-Hexanone	8.18	43	63751	52.505	ug/L	99
50) Dibromochloromethane	8.29	129	51498	24.695	ug/L	100
51) 1,2-Dibromoethane	8.39	107	43825	24.812	ug/L	99
52) Chlorobenzene	8.92	112	149190	23.057	ug/L	96
53) Ethylbenzene	9.05	91	248205	23.847	ug/L	99
54) m,p-Xylene	9.18	106	93575	22.818	ug/L	100
55) o-xylene	9.59	106	93756	23.270	ug/L	100
56) Styrene	9.60	104	161308	23.349	ug/L	98
57) Isopropylbenzene	9.97	105	241840	23.979	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	60194	24.311	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	45946	25.611	ug/L	98
62) Bromoform	9.78	173	28451	28.469	ug/L #	98
63) 1,3-Dichlorobenzene	11.23	146	104296	23.577	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	105859	23.100	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	101490	22.996	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	8649	26.168	ug/L	88
67) 1,3,5-Trichlorobenzene	12.69	180	68979	21.397	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	56296	21.626	ug/L	97
69) Naphthalene	13.55	128	135490	24.847	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	56078	22.634	ug/L	99

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

