

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052819\
 Data File : VV011082.D
 Acq On : 29 May 2019 00:32
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02575

Quant Time: May 29 02:20:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 29 02:15:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	360376	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	364018	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	174089	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	105198	21.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.16%
7) Chloroethane-d5	1.56	69	82830	23.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.96%
10) 1,1-Dichloroethene-d2	2.12	63	214381	23.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.32%
20) 2-Butanone-d5	3.94	46	109964	64.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	129.14%
24) Chloroform-d	4.40	84	206007	23.57	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.28%
26) 1,2-Dichloroethane-d4	5.08	65	154396	27.63	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	110.52%
29) Benzene-d6	5.09	84	496360	23.29	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.16%
33) 1,2-Dichloropropane-d6	6.12	67	164394	24.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.96%
37) Toluene-d8	7.36	98	461624	23.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.00%
38) trans-1,3-Dichloropropene-	7.66	79	78648	24.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.56%
39) 2-Hexanone-d5	8.13	63	83576	56.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.14%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	158627	27.20	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.80%
61) 1,2-Dichlorobenzene-d4	11.67	152	172127	25.00	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	134741	22.929	ug/L	99
3) Chloromethane	1.25	50	150571	25.976	ug/L	100
5) Vinyl chloride	1.32	62	132540	24.776	ug/L	100
6) Bromomethane	1.51	94	71081	30.831	ug/L	97
8) Chloroethane	1.58	64	77483	26.700	ug/L	99
9) Trichlorofluoromethane	1.76	101	179673	25.075	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	91944	23.911	ug/L	99
12) 1,1-Dichloroethene	2.13	96	91535	25.299	ug/L	97
13) Acetone	2.19	43	100145	51.912	ug/L	98
14) Carbon disulfide	2.31	76	299807	24.771	ug/L	100
15) Methyl Acetate	2.46	43	82395	29.590	ug/L #	100
16) Methylene chloride	2.53	84	143742	27.283	ug/L	99
17) Methyl tert-butyl Ether	2.80	73	396046	29.222	ug/L	100
18) trans-1,2-Dichloroethene	2.78	96	124629	25.182	ug/L	98
19) 1,1-Dichloroethane	3.22	63	251165	26.104	ug/L	98
21) 2-Butanone	4.02	43	141935	59.743	ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	150378	26.976	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	67005	28.376	ug/L	98
25) Chloroform	4.42	83	291564	28.695	ug/L	98
27) 1,2-Dichloroethane	5.18	62	194456	29.374	ug/L	99
30) Cyclohexane	4.72	56	213746	20.272	ug/L	98
31) 1,1,1-Trichloroethane	4.65	97	194572	23.476	ug/L	99
32) Carbon tetrachloride	4.87	117	158331	22.305	ug/L	100
34) Benzene	5.14	78	543487	24.690	ug/L	100
35) Trichloroethene	5.96	95	136795	23.794	ug/L	98
36) Methylcyclohexane	6.17	83	214349	21.608	ug/L	94
40) 1,2-Dichloropropane	6.22	63	150610	25.674	ug/L	99
41) Bromodichloromethane	6.55	83	197569	26.566	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	247740	26.432	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	294737	57.290	ug/L	100
44) Toluene	7.43	91	594321	24.832	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	211451	26.439	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	118733	27.309	ug/L	98
47) Tetrachloroethene	8.02	164	94655	22.829	ug/L	99
49) 2-Hexanone	8.18	43	202044	53.252	ug/L	99
50) Dibromochloromethane	8.29	129	138083	27.411	ug/L	99
51) 1,2-Dibromoethane	8.40	107	116955	28.110	ug/L	98
52) Chlorobenzene	8.92	112	383460	25.853	ug/L	99
53) Ethylbenzene	9.05	91	668901	24.516	ug/L	99
54) m,p-Xylene	9.18	106	246097	24.215	ug/L	97
55) o-xylene	9.59	106	250495	25.365	ug/L	96
56) Styrene	9.60	104	437615	26.134	ug/L	99
57) Isopropylbenzene	9.97	105	635303	24.104	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	166110	29.001	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	128481	29.352	ug/L	100
62) Bromoform	9.77	173	79093	27.007	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	292617	25.549	ug/L	100
64) 1,4-Dichlorobenzene	11.32	146	294558	25.844	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	280688	26.227	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	30364	27.794	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	211636	25.125	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	182021	27.163	ug/L	97
69) Naphthalene	13.55	128	432900	31.317	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	171307	27.936	ug/L	99

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

