

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV052219\
 Data File : VV011024.D
 Acq On : 22 May 2019 17:59
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02570

Quant Time: May 23 08:05:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 23 08:00:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	137316	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	138542	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	67558	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	35374	22.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.40%
7) Chloroethane-d5	1.57	69	24937	23.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.12%
10) 1,1-Dichloroethene-d2	2.12	63	70459	23.41	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.64%
20) 2-Butanone-d5	3.94	46	25755	47.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.36%
24) Chloroform-d	4.40	84	75540	21.24	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.96%
26) 1,2-Dichloroethane-d4	5.08	65	50117	23.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.64%
29) Benzene-d6	5.09	84	188939	24.98	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.92%
33) 1,2-Dichloropropane-d6	6.12	67	58663	24.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.64%
37) Toluene-d8	7.36	98	178331	25.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.44%
38) trans-1,3-Dichloropropene-	7.66	79	23045	23.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.40%
39) 2-Hexanone-d5	8.13	63	19837	44.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.52%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	55843	23.27	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.08%
61) 1,2-Dichlorobenzene-d4	11.67	152	67752	24.70	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	45445	22.417	ug/L	98
3) Chloromethane	1.25	50	40536	22.075	ug/L	100
5) Vinyl chloride	1.32	62	42100	22.827	ug/L	99
6) Bromomethane	1.51	94	19117	29.728	ug/L	99
8) Chloroethane	1.59	64	20384	22.088	ug/L	95
9) Trichlorofluoromethane	1.76	101	68737	23.384	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	39881	23.792	ug/L	97
12) 1,1-Dichloroethene	2.13	96	34338	23.697	ug/L	97
13) Acetone	2.19	43	22370	42.944	ug/L	97
14) Carbon disulfide	2.31	76	87171	21.482	ug/L	99
15) Methyl Acetate	2.46	43	19973	19.956	ug/L	98
16) Methylene chloride	2.53	84	51795	21.979	ug/L	95
17) Methyl tert-butyl Ether	2.80	73	117974	23.009	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	47917	23.970	ug/L	97
19) 1,1-Dichloroethane	3.22	63	87368	24.003	ug/L	96
21) 2-Butanone	4.02	43	29068	40.777	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	52188	23.447	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	24921	23.626	ug/L	97
25) Chloroform	4.42	83	110560	26.844	ug/L	99
27) 1,2-Dichloroethane	5.18	62	58584	23.139	ug/L	99
30) Cyclohexane	4.72	56	68539	23.808	ug/L	100
31) 1,1,1-Trichloroethane	4.65	97	77263	24.792	ug/L	99
32) Carbon tetrachloride	4.87	117	68992	24.276	ug/L	99
34) Benzene	5.14	78	194436	24.346	ug/L	100
35) Trichloroethene	5.96	95	53072	24.051	ug/L	98
36) Methylcyclohexane	6.17	83	82286	25.224	ug/L	98
40) 1,2-Dichloropropane	6.22	63	50680	24.146	ug/L	99
41) Bromodichloromethane	6.55	83	65862	23.477	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	75795	24.261	ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	68431	45.482	ug/L	97
44) Toluene	7.43	91	223160	25.179	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	60961	23.164	ug/L	96
46) 1,1,2-Trichloroethane	7.88	97	43094	24.095	ug/L	98
47) Tetrachloroethene	8.02	164	41279	23.965	ug/L	96
49) 2-Hexanone	8.18	43	44405	40.422	ug/L	99
50) Dibromochloromethane	8.29	129	48872	23.216	ug/L	96
51) 1,2-Dibromoethane	8.40	107	39664	22.933	ug/L	99
52) Chlorobenzene	8.92	112	145394	23.934	ug/L	99
53) Ethylbenzene	9.05	91	242664	25.128	ug/L	99
54) m,p-Xylene	9.18	106	95481	25.368	ug/L	97
55) o-xylene	9.59	106	92863	25.860	ug/L	98
56) Styrene	9.60	104	162437	26.247	ug/L	100
57) Isopropylbenzene	9.97	105	244590	25.819	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	52827	22.432	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	38556	22.288	ug/L	99
62) Bromoform	9.77	173	26101	21.764	ug/L	100
63) 1,3-Dichlorobenzene	11.23	146	111488	24.195	ug/L	100
64) 1,4-Dichlorobenzene	11.32	146	116830	24.619	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	109510	24.510	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	7509	21.156	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	83764	24.781	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	65119	24.375	ug/L	99
69) Naphthalene	13.55	128	119243	22.265	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	62360	23.909	ug/L	100

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

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