

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050719\
 Data File : VV010713.D
 Acq On : 08 May 2019 02:22
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02587

Quant Time: May 08 03:07:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 08 03:02:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	106699	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	110528	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	52404	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	37099	22.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.52%
7) Chloroethane-d5	1.57	69	32476	23.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.24%
10) 1,1-Dichloroethene-d2	2.12	63	75467	20.99	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.96%
20) 2-Butanone-d5	3.93	46	25681	51.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.26%
24) Chloroform-d	4.40	84	74332	25.55	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.20%
26) 1,2-Dichloroethane-d4	5.08	65	46632	25.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.68%
29) Benzene-d6	5.10	84	143111	24.60	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.40%
33) 1,2-Dichloropropane-d6	6.12	67	47609	25.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.72%
37) Toluene-d8	7.36	98	138314	24.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.32%
38) trans-1,3-Dichloropropene-	7.66	79	20619	24.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.60%
39) 2-Hexanone-d5	8.13	63	18589	47.92	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.84%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	42880	24.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.44%
61) 1,2-Dichlorobenzene-d4	11.67	152	49516	24.40	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	31072	21.026	ug/L	98
3) Chloromethane	1.25	50	44463	24.734	ug/L	97
5) Vinyl chloride	1.32	62	46115	22.093	ug/L	98
6) Bromomethane	1.51	94	24047	23.755	ug/L	97
8) Chloroethane	1.59	64	29685	22.836	ug/L	96
9) Trichlorofluoromethane	1.76	101	63867	20.326	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	37085	20.673	ug/L	98
12) 1,1-Dichloroethene	2.13	96	36286	21.602	ug/L	91
13) Acetone	2.19	43	26313	34.171	ug/L	99
14) Carbon disulfide	2.31	76	93236	22.587	ug/L	98
15) Methyl Acetate	2.46	43	22363	24.310	ug/L	100
16) Methylene chloride	2.53	84	45097	27.335	ug/L	99
17) Methyl tert-butyl Ether	2.80	73	113757	27.045	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	38404	25.293	ug/L	98
19) 1,1-Dichloroethane	3.23	63	76816	26.205	ug/L	96
21) 2-Butanone	4.02	43	32042	43.904	ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	44249	25.511	ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	21074	27.029	ug/L	95
25) Chloroform	4.42	83	81983	25.388	ug/L	98
27) 1,2-Dichloroethane	5.18	62	60578	25.665	ug/L	98
30) Cyclohexane	4.72	56	58449	21.085	ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	63555	23.062	ug/L	100
32) Carbon tetrachloride	4.87	117	51837	21.594	ug/L	98
34) Benzene	5.14	78	166104	25.600	ug/L	100
35) Trichloroethene	5.96	95	43165	23.750	ug/L	99
36) Methylcyclohexane	6.18	83	63774	21.894	ug/L	96
40) 1,2-Dichloropropane	6.22	63	43475	25.188	ug/L	99
41) Bromodichloromethane	6.55	83	60608	25.555	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	68471	25.080	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	70675	48.644	ug/L	98
44) Toluene	7.43	91	178496	24.222	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	57061	24.821	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	35927	25.337	ug/L	98
47) Tetrachloroethene	8.02	164	28302	21.502	ug/L	90
49) 2-Hexanone	8.18	43	49144	44.489	ug/L	97
50) Dibromochloromethane	8.29	129	41068	25.186	ug/L	97
51) 1,2-Dibromoethane	8.40	107	35574	25.975	ug/L	95
52) Chlorobenzene	8.92	112	121536	25.244	ug/L	98
53) Ethylbenzene	9.05	91	208444	24.395	ug/L	99
54) m,p-Xylene	9.18	106	77652	24.325	ug/L	97
55) o-xylene	9.59	106	79341	25.057	ug/L	100
56) Styrene	9.60	104	140376	26.211	ug/L	99
57) Isopropylbenzene	9.97	105	201344	23.833	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	45031	24.240	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	34574	23.846	ug/L	98
62) Bromoform	9.77	173	21166	23.719	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	90934	24.929	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	91805	24.638	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	89265	25.195	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	7440	22.631	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	62769	23.888	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	52151	25.650	ug/L	98
69) Naphthalene	13.55	128	115261	26.485	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	50421	26.438	ug/L	99

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

