

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042219\
 Data File : VV010416.D
 Acq On : 22 Apr 2019 15:38
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02577

Quant Time: Apr 23 06:55:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Apr 22 15:14:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	498545	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	494462	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	264522	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	137475	20.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.04%
7) Chloroethane-d5	1.57	69	113109	21.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.68%
10) 1,1-Dichloroethene-d2	2.13	63	269958	21.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.20%
20) 2-Butanone-d5	3.93	46	83956	52.27	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.54%
24) Chloroform-d	4.40	84	287072	23.56	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.24%
26) 1,2-Dichloroethane-d4	5.08	65	179017	23.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.80%
29) Benzene-d6	5.10	84	539282	23.62	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.48%
33) 1,2-Dichloropropane-d6	6.12	67	163433	24.27	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.08%
37) Toluene-d8	7.36	98	542279	23.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.24%
38) trans-1,3-Dichloropropene-	7.66	79	85240	25.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.80%
39) 2-Hexanone-d5	8.13	63	70728	52.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.74%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	164203	25.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.12%
61) 1,2-Dichlorobenzene-d4	11.67	152	244105	24.28	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	175580	23.091	ug/L	98
3) Chloromethane	1.25	50	156204	24.759	ug/L	96
5) Vinyl chloride	1.33	62	165402	22.188	ug/L	99
6) Bromomethane	1.52	94	102312	26.329	ug/L	99
8) Chloroethane	1.59	64	97174	23.186	ug/L	99
9) Trichlorofluoromethane	1.77	101	282237	22.163	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	157208	22.048	ug/L	100
12) 1,1-Dichloroethene	2.14	96	140876	22.440	ug/L	89
13) Acetone	2.19	43	72186	41.935	ug/L	99
14) Carbon disulfide	2.32	76	310164	22.108	ug/L	98
15) Methyl Acetate	2.46	43	64909	25.333	ug/L	98
16) Methylene chloride	2.53	84	150747	20.619	ug/L	99
17) Methyl tert-butyl Ether	2.81	73	372259	25.014	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	130266	23.461	ug/L	99
19) 1,1-Dichloroethane	3.23	63	240963	24.284	ug/L	99
21) 2-Butanone	4.02	43	92247	50.281	ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	152934	24.432	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	74376	24.628	ug/L	91
25) Chloroform	4.43	83	292683	24.549	ug/L	99
27) 1,2-Dichloroethane	5.18	62	211098	25.243	ug/L	99
30) Cyclohexane	4.73	56	195649	22.334	ug/L	97
31) 1,1,1-Trichloroethane	4.66	97	252171	23.862	ug/L	98
32) Carbon tetrachloride	4.87	117	232291	23.190	ug/L	99
34) Benzene	5.15	78	524674	24.006	ug/L	100
35) Trichloroethene	5.96	95	155821	23.509	ug/L	98
36) Methylcyclohexane	6.17	83	222876	22.508	ug/L	99
40) 1,2-Dichloropropane	6.22	63	141918	26.384	ug/L #	94
41) Bromodichloromethane	6.55	83	209226	25.219	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	232681	26.195	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	209671	52.488	ug/L	100
44) Toluene	7.43	91	615029	23.286	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	212529	26.205	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	124047	25.713	ug/L	98
47) Tetrachloroethene	8.02	164	134866	22.924	ug/L	98
49) 2-Hexanone	8.18	43	147067	51.857	ug/L	93
50) Dibromochloromethane	8.29	129	167030	25.683	ug/L	96
51) 1,2-Dibromoethane	8.40	107	126137	24.919	ug/L	96
52) Chlorobenzene	8.92	112	443895	23.972	ug/L	98
53) Ethylbenzene	9.05	91	736300	23.843	ug/L	99
54) m,p-Xylene	9.18	106	281830	23.280	ug/L	100
55) o-xylene	9.59	106	288764	23.946	ug/L	97
56) Styrene	9.60	104	487227	24.489	ug/L	99
57) Isopropylbenzene	9.97	105	777016	23.850	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	162797	26.049	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	121606	26.262	ug/L	98
62) Bromoform	9.77	173	100743	25.430	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	383385	24.783	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	385576	24.347	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	371983	24.744	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	28303	28.407	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	302644	24.482	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	236435	25.354	ug/L	99
69) Naphthalene	13.55	128	397389	26.514	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	223844	25.934	ug/L	99

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

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