

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040519\
 Data File : VV010124.D
 Acq On : 05 Apr 2019 11:01
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02581

Quant Time: Apr 05 23:24:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 05 01:26:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	280633	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	265501	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	135690	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	81670	21.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.96%
7) Chloroethane-d5	1.58	69	91230	19.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.20%
10) 1,1-Dichloroethene-d2	2.13	63	210327	22.19	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.76%
20) 2-Butanone-d5	3.94	46	56912	53.23	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.46%
24) Chloroform-d	4.40	84	171067	24.20	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	5.08	65	96520	24.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.60%
29) Benzene-d6	5.10	84	337155	24.49	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.96%
33) 1,2-Dichloropropane-d6	6.11	67	99481	24.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.92%
37) Toluene-d8	7.36	98	336840	25.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.56%
38) trans-1,3-Dichloropropene-	7.66	79	45085	25.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.84%
39) 2-Hexanone-d5	8.14	63	42666	52.35	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.70%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	104442	26.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.24%
61) 1,2-Dichlorobenzene-d4	11.67	152	131637	24.90	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	93511	23.038	ug/L	98
3) Chloromethane	1.25	50	84939	23.483	ug/L	98
5) Vinyl chloride	1.32	62	95427	24.222	ug/L	99
6) Bromomethane	1.53	94	101907	22.867	ug/L	99
8) Chloroethane	1.59	64	80118	23.263	ug/L	95
9) Trichlorofluoromethane	1.76	101	198911	24.494	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	112352	24.879	ug/L	99
12) 1,1-Dichloroethene	2.14	96	92468	24.101	ug/L	93
13) Acetone	2.20	43	52423	49.597	ug/L	98
14) Carbon disulfide	2.32	76	184284	23.144	ug/L	100
15) Methyl Acetate	2.46	43	43661	25.816	ug/L	95
16) Methylene chloride	2.53	84	89097	18.071	ug/L	98
17) Methyl tert-butyl Ether	2.81	73	208057	25.320	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	83623	24.953	ug/L	99
19) 1,1-Dichloroethane	3.23	63	145201	25.501	ug/L	99
21) 2-Butanone	4.02	43	57912	50.029	ug/L	94
22) cis-1,2-Dichloroethene	3.96	96	93141	25.030	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	46466	25.736	ug/L	94
25) Chloroform	4.42	83	167271	26.214	ug/L	100
27) 1,2-Dichloroethane	5.18	62	109833	25.234	ug/L	99
30) Cyclohexane	4.72	56	119498	24.933	ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	144394	26.667	ug/L	99
32) Carbon tetrachloride	4.87	117	132899	27.460	ug/L	99
34) Benzene	5.14	78	332810	25.633	ug/L	100
35) Trichloroethene	5.96	95	95512	25.558	ug/L	98
36) Methylcyclohexane	6.17	83	147861	26.411	ug/L	98
40) 1,2-Dichloropropane	6.22	63	83580	25.478	ug/L	99
41) Bromodichloromethane	6.55	83	111564	26.150	ug/L	94
42) cis-1,3-Dichloropropene	7.07	75	124439	26.205	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	125052	51.521	ug/L	99
44) Toluene	7.43	91	383750	26.335	ug/L	97
45) trans-1,3-Dichloropropene	7.69	75	110565	27.376	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	75808	26.061	ug/L	98
47) Tetrachloroethene	8.02	164	84786	27.105	ug/L	95
49) 2-Hexanone	8.19	43	90239	52.051	ug/L #	97
50) Dibromochloromethane	8.29	129	88780	27.227	ug/L	98
51) 1,2-Dibromoethane	8.40	107	75763	26.355	ug/L	98
52) Chlorobenzene	8.92	112	263872	26.549	ug/L	98
53) Ethylbenzene	9.05	91	420945	26.344	ug/L	99
54) m,p-Xylene	9.18	106	167003	26.853	ug/L	97
55) o-xylene	9.59	106	166109	27.569	ug/L	90
56) Styrene	9.60	104	276433	27.735	ug/L	96
57) Isopropylbenzene	9.97	105	441361	27.776	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	98552	26.379	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	70689	26.386	ug/L	100
62) Bromoform	9.77	173	52803	27.668	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	211602	26.568	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	211401	25.481	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	205490	26.264	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	15010	28.294	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	159029	26.888	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	122042	26.946	ug/L	100
69) Naphthalene	13.55	128	202282	26.845	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	117239	27.726	ug/L	98

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

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