

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040619\
 Data File : VV010143.D
 Acq On : 06 Apr 2019 10:22
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02583

Quant Time: Apr 07 00:41:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 05 23:46:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	331134	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	303104	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	157666	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	111165	25.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.32%
7) Chloroethane-d5	1.58	69	135011	24.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.08%
10) 1,1-Dichloroethene-d2	2.13	63	264367	23.64	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.56%
20) 2-Butanone-d5	3.94	46	50061	39.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.36%
24) Chloroform-d	4.40	84	209331	25.09	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.36%
26) 1,2-Dichloroethane-d4	5.08	65	109566	23.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.92%
29) Benzene-d6	5.10	84	435664	27.72	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	110.88%
33) 1,2-Dichloropropane-d6	6.12	67	123034	26.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.08%
37) Toluene-d8	7.36	98	423597	27.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	111.88%
38) trans-1,3-Dichloropropene-	7.66	79	52569	26.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.04%
39) 2-Hexanone-d5	8.14	63	38352	41.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.44%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	99641	21.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.12%
61) 1,2-Dichlorobenzene-d4	11.67	152	156350	25.46	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.84%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	113221	23.640	ug/L	100
3) Chloromethane	1.25	50	93749	21.966	ug/L	100
5) Vinyl chloride	1.33	62	108869	23.419	ug/L	100
6) Bromomethane	1.53	94	106064	20.170	ug/L	100
8) Chloroethane	1.59	64	95858	23.588	ug/L	98
9) Trichlorofluoromethane	1.77	101	231349	24.144	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	131300	24.641	ug/L	99
12) 1,1-Dichloroethene	2.14	96	104872	23.165	ug/L	99
13) Acetone	2.20	43	48085	38.555	ug/L	99
14) Carbon disulfide	2.32	76	222987	23.734	ug/L	99
15) Methyl Acetate	2.46	43	38542	19.313	ug/L	97
16) Methylene chloride	2.54	84	102739	17.659	ug/L	98
17) Methyl tert-butyl Ether	2.81	73	235912	24.331	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	101475	25.662	ug/L	98
19) 1,1-Dichloroethane	3.23	63	177934	26.484	ug/L	99
21) 2-Butanone	4.03	43	53644	39.275	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	112065	25.523	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	53025	24.890	ug/L	95
25) Chloroform	4.42	83	198061	26.306	ug/L	99
27) 1,2-Dichloroethane	5.18	62	123878	24.120	ug/L	98
30) Cyclohexane	4.72	56	151277	27.648	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	173900	28.132	ug/L	100
32) Carbon tetrachloride	4.87	117	163102	29.520	ug/L	99
34) Benzene	5.15	78	399411	26.946	ug/L	100
35) Trichloroethene	5.96	95	114906	26.933	ug/L	98
36) Methylcyclohexane	6.18	83	184428	28.855	ug/L	97
40) 1,2-Dichloropropane	6.22	63	97464	26.024	ug/L	99
41) Bromodichloromethane	6.55	83	133073	27.322	ug/L	95
42) cis-1,3-Dichloropropene	7.07	75	146282	26.983	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	119567	43.150	ug/L	100
44) Toluene	7.43	91	455219	27.364	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	126321	27.397	ug/L	96
46) 1,1,2-Trichloroethane	7.88	97	82304	24.784	ug/L	97
47) Tetrachloroethene	8.02	164	97748	27.372	ug/L	96
49) 2-Hexanone	8.18	43	81951	41.406	ug/L	99
50) Dibromochloromethane	8.29	129	100906	27.106	ug/L	98
51) 1,2-Dibromoethane	8.40	107	78526	23.927	ug/L	94
52) Chlorobenzene	8.92	112	306136	26.980	ug/L	98
53) Ethylbenzene	9.05	91	510293	27.974	ug/L	99
54) m,p-Xylene	9.18	106	201224	28.341	ug/L	93
55) o-xylene	9.59	106	192893	28.042	ug/L	99
56) Styrene	9.60	104	321418	28.248	ug/L	97
57) Isopropylbenzene	9.97	105	533214	29.394	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	96100	22.531	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	67712	22.140	ug/L	100
62) Bromoform	9.77	173	55418	24.991	ug/L #	99
63) 1,3-Dichlorobenzene	11.23	146	254906	27.544	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	252265	26.169	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	231089	25.419	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	12901	20.929	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	194276	28.269	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	147173	27.966	ug/L	97
69) Naphthalene	13.55	128	200477	22.897	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	131942	26.854	ug/L	99

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

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