

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021319\
 Data File : VV009298.D
 Acq On : 13 Feb 2019 18:10
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02567

Quant Time: Feb 14 02:56:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM021319S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 13 15:25:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	340210	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	322111	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	153543	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	101428	18.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.04%
7) Chloroethane-d5	1.57	69	59378	14.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	57.80%
10) 1,1-Dichloroethene-d2	2.13	63	215439	20.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.40%
20) 2-Butanone-d5	3.94	46	64740	31.02	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	62.04%
24) Chloroform-d	4.40	84	199895	20.33	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	81.32%
26) 1,2-Dichloroethane-d4	5.08	65	113354	19.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	77.28%
29) Benzene-d6	5.10	84	381775	20.87	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.48%
33) 1,2-Dichloropropane-d6	6.12	67	115514	19.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	78.36%
37) Toluene-d8	7.36	98	350824	20.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	82.04%
38) trans-1,3-Dichloropropene-	7.66	79	52580	20.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.60%
39) 2-Hexanone-d5	8.14	63	41438	29.95	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	59.90%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	100316	17.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	70.68%
61) 1,2-Dichlorobenzene-d4	11.67	152	121122	19.53	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	78.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	112503	20.484	ug/L	100
3) Chloromethane	1.25	50	126469	20.288	ug/L	100
5) Vinyl chloride	1.32	62	129374	22.443	ug/L	99
6) Bromomethane	1.53	94	56258	21.689	ug/L	98
8) Chloroethane	1.59	64	73673	20.255	ug/L	97
9) Trichlorofluoromethane	1.77	101	191440	22.939	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	107381	23.171	ug/L	98
12) 1,1-Dichloroethene	2.14	96	94227	22.359	ug/L	97
13) Acetone	2.20	43	108908	35.554	ug/L	100
14) Carbon disulfide	2.32	76	358526	22.173	ug/L	99
15) Methyl Acetate	2.46	43	63568	15.442	ug/L	99
16) Methylene chloride	2.53	84	122136	17.500	ug/L	99
17) Methyl tert-butyl Ether	2.81	73	266908	21.720	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	110265	22.409	ug/L	97
19) 1,1-Dichloroethane	3.23	63	219667	23.236	ug/L	96
21) 2-Butanone	4.03	43	106012	35.552	ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	119253	22.872	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	51822	22.080	ug/L	97
25) Chloroform	4.42	83	216193	22.771	ug/L	99
27) 1,2-Dichloroethane	5.18	62	156170	22.060	ug/L	99
30) Cyclohexane	4.72	56	210778	24.353	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	195638	24.735	ug/L	97
32) Carbon tetrachloride	4.87	117	167929	24.106	ug/L	99
34) Benzene	5.15	78	460063	23.851	ug/L	100
35) Trichloroethene	5.96	95	123294	24.011	ug/L	99
36) Methylcyclohexane	6.18	83	200781	24.008	ug/L	99
40) 1,2-Dichloropropane	6.22	63	124994	23.912	ug/L	100
41) Bromodichloromethane	6.55	83	154522	23.503	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	180175	23.638	ug/L	100
43) 4-Methyl-2-pentanone	7.28	43	174225	36.603	ug/L	99
44) Toluene	7.43	91	491334	23.998	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	155471	23.794	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	87476	21.869	ug/L	98
47) Tetrachloroethene	8.02	164	93997	23.282	ug/L	95
49) 2-Hexanone	8.19	43	145250	37.033	ug/L	98
50) Dibromochloromethane	8.29	129	104587	22.598	ug/L	97
51) 1,2-Dibromoethane	8.40	107	84525	21.500	ug/L	96
52) Chlorobenzene	8.93	112	303411	23.061	ug/L	99
53) Ethylbenzene	9.05	91	548791	24.068	ug/L	100
54) m,p-Xylene	9.18	106	204649	24.397	ug/L	98
55) o-xylene	9.59	106	191659	24.311	ug/L	95
56) Styrene	9.60	104	327010	24.211	ug/L	100
57) Isopropylbenzene	9.98	105	530589	24.169	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	111215	19.259	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	84773	18.896	ug/L	99
62) Bromoform	9.78	173	57810	21.032	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	231796	23.158	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	234462	22.877	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	218829	22.656	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	19379	17.248	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	175288	23.357	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	140491	23.574	ug/L	99
69) Naphthalene	13.55	128	252082	19.922	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	128476	22.542	ug/L	99

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

