

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV022519\
 Data File : VV009345.D
 Acq On : 25 Feb 2019 11:17
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02579

Quant Time: Feb 26 02:46:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022019S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Feb 23 00:37:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	119203	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	108240	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	52616	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	35246	22.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.88%
7) Chloroethane-d5	1.57	69	40300	21.48	ug/L	-0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.92%
10) 1,1-Dichloroethene-d2	2.13	63	99251	25.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.80%
20) 2-Butanone-d5	3.94	46	25105	45.23	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.46%
24) Chloroform-d	4.40	84	64613	23.34	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.36%
26) 1,2-Dichloroethane-d4	5.08	65	34738	23.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.56%
29) Benzene-d6	5.10	84	133176	24.53	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.12%
33) 1,2-Dichloropropane-d6	6.12	67	40970	25.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.56%
37) Toluene-d8	7.36	98	125637	24.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.28%
38) trans-1,3-Dichloropropene-	7.66	79	18524	22.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.32%
39) 2-Hexanone-d5	8.14	63	21353	48.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.10%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	42648	24.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.68%
61) 1,2-Dichlorobenzene-d4	11.67	152	46064	23.84	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.36%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	28156	20.237	ug/L	94
3) Chloromethane	1.25	50	45695	26.882	ug/L	99
5) Vinyl chloride	1.32	62	49328	25.590	ug/L	99
6) Bromomethane	1.52	94	48430	26.998	ug/L	100
8) Chloroethane	1.59	64	34726	21.343	ug/L	98
9) Trichlorofluoromethane	1.76	101	94099	25.930	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	55358	26.674	ug/L	98
12) 1,1-Dichloroethene	2.14	96	46790	26.753	ug/L	95
13) Acetone	2.20	43	27204	50.141	ug/L	96
14) Carbon disulfide	2.31	76	116635	24.922	ug/L	99
15) Methyl Acetate	2.46	43	19932	25.195	ug/L	97
16) Methylene chloride	2.53	84	37678	20.895	ug/L	98
17) Methyl tert-butyl Ether	2.81	73	87521	22.592	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	37059	23.521	ug/L	95
19) 1,1-Dichloroethane	3.23	63	63436	24.240	ug/L	100
21) 2-Butanone	4.02	43	32800	52.771	ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	41961	24.380	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	18467	23.445	ug/L	95
25) Chloroform	4.42	83	66540	23.895	ug/L	97
27) 1,2-Dichloroethane	5.18	62	45051	23.891	ug/L	99
30) Cyclohexane	4.72	56	63808	25.431	ug/L	96
31) 1,1,1-Trichloroethane	4.66	97	59459	24.324	ug/L	98
32) Carbon tetrachloride	4.87	117	49834	24.125	ug/L	99
34) Benzene	5.14	78	150762	25.473	ug/L	100
35) Trichloroethene	5.96	95	39674	24.100	ug/L	98
36) Methylcyclohexane	6.17	83	68970	23.952	ug/L	98
40) 1,2-Dichloropropane	6.22	63	35494	24.709	ug/L	99
41) Bromodichloromethane	6.55	83	49370	24.133	ug/L	96
42) cis-1,3-Dichloropropene	7.07	75	61066	25.050	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	56142	46.559	ug/L	98
44) Toluene	7.43	91	167228	25.476	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	52147	24.428	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	30547	23.881	ug/L	97
47) Tetrachloroethene	8.02	164	32310	25.113	ug/L	93
49) 2-Hexanone	8.19	43	44247	47.713	ug/L	96
50) Dibromochloromethane	8.29	129	36150	23.438	ug/L	100
51) 1,2-Dibromoethane	8.40	107	30144	23.496	ug/L	96
52) Chlorobenzene	8.93	112	105829	24.760	ug/L	98
53) Ethylbenzene	9.05	91	181335	24.453	ug/L	100
54) m,p-Xylene	9.18	106	70706	24.436	ug/L	97
55) o-xylene	9.59	106	67302	24.780	ug/L	99
56) Styrene	9.60	104	114510	24.569	ug/L	98
57) Isopropylbenzene	9.97	105	182732	24.304	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	43396	24.041	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	30158	23.315	ug/L	99
62) Bromoform	9.78	173	21996	22.612	ug/L #	97
63) 1,3-Dichlorobenzene	11.23	146	81171	24.016	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	80724	23.960	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	76670	24.192	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	7323	20.806	ug/L	88
67) 1,3,5-Trichlorobenzene	12.69	180	59236	24.220	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	46505	23.304	ug/L	99
69) Naphthalene	13.55	128	96537	22.570	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	42572	23.116	ug/L	98

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

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