

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV022619\
 Data File : VV009365.D
 Acq On : 26 Feb 2019 12:37
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV86

Quant Time: Feb 27 04:36:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022619S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 26 12:32:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	180083	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	176492	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	81430	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	54365	24.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.00%
7) Chloroethane-d5	1.58	69	72642	24.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.64%
10) 1,1-Dichloroethene-d2	2.13	63	131885	22.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.04%
20) 2-Butanone-d5	3.95	46	43838	64.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	128.44%
24) Chloroform-d	4.40	84	112570	25.77	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.08%
26) 1,2-Dichloroethane-d4	5.08	65	64968	26.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.56%
29) Benzene-d6	5.09	84	219254	23.37	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.48%
33) 1,2-Dichloropropane-d6	6.12	67	66052	24.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.08%
37) Toluene-d8	7.36	98	214726	23.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.44%
38) trans-1,3-Dichloropropene-	7.66	79	33815	24.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.40%
39) 2-Hexanone-d5	8.14	63	31824	54.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.38%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	71770	26.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.92%
61) 1,2-Dichlorobenzene-d4	11.67	152	77947	25.84	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.36%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	62130	27.255	ug/L 96
3) Chloromethane	1.25	50	56856	23.498	ug/L 98
5) Vinyl chloride	1.32	62	64548	24.011	ug/L 99
6) Bromomethane	1.53	94	55139	19.072	ug/L 100
8) Chloroethane	1.60	64	63834	27.848	ug/L 100
9) Trichlorofluoromethane	1.76	101	123279	22.743	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	65661	21.831	ug/L 99
12) 1,1-Dichloroethene	2.14	96	54838	21.205	ug/L 90
13) Acetone	2.21	43	45732	58.603	ug/L 97
14) Carbon disulfide	2.31	76	160052	23.820	ug/L 98
15) Methyl Acetate	2.46	43	30788	29.858	ug/L 96
16) Methylene chloride	2.53	84	54317	22.269	ug/L 100
17) Methyl tert-butyl Ether	2.80	73	144725	25.718	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	55981	24.906	ug/L 93
19) 1,1-Dichloroethane	3.23	63	97010	24.294	ug/L 99
21) 2-Butanone	4.03	43	58652	60.312	ug/L 97
22) cis-1,2-Dichloroethene	3.96	96	63572	25.156	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	29310	25.844	ug/L	92
25) Chloroform	4.42	83	107798	24.807	ug/L	100
27) 1,2-Dichloroethane	5.18	62	75937	25.262	ug/L	97
30) Cyclohexane	4.72	56	92141	22.039	ug/L	96
31) 1,1,1-Trichloroethane	4.65	97	98726	23.553	ug/L	98
32) Carbon tetrachloride	4.87	117	80941	22.641	ug/L	97
34) Benzene	5.14	78	228893	23.261	ug/L	100
35) Trichloroethene	5.96	95	63065	23.152	ug/L	97
36) Methylcyclohexane	6.17	83	103633	21.790	ug/L	98
40) 1,2-Dichloropropane	6.22	63	56650	23.173	ug/L #	97
41) Bromodichloromethane	6.55	83	80631	23.193	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	92124	23.717	ug/L	100
43) 4-Methyl-2-pentanone	7.28	43	97455	55.760	ug/L	98
44) Toluene	7.43	91	250494	22.760	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	82818	23.518	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	48972	24.252	ug/L	97
47) Tetrachloroethene	8.02	164	47314	23.451	ug/L	94
49) 2-Hexanone	8.19	43	82067	56.235	ug/L	97
50) Dibromochloromethane	8.29	129	61406	24.311	ug/L	97
51) 1,2-Dibromoethane	8.40	107	51330	25.251	ug/L	97
52) Chlorobenzene	8.92	112	163104	22.880	ug/L	98
53) Ethylbenzene	9.05	91	281051	22.327	ug/L	99
54) m,p-Xylene	9.18	106	109670	22.366	ug/L	98
55) o-xylene	9.59	106	105319	22.654	ug/L	97
56) Styrene	9.60	104	179320	22.996	ug/L	95
57) Isopropylbenzene	9.97	105	283315	22.306	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	69399	25.274	ug/L #	98
59) 1,2,3-Trichloropropane	10.32	75	51696	26.433	ug/L	99
62) Bromoform	9.77	173	38246	26.163	ug/L	100
63) 1,3-Dichlorobenzene	11.23	146	128437	24.571	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	129746	24.868	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	122416	24.926	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	14262	29.411	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	89531	24.258	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	73250	25.565	ug/L	99
69) Naphthalene	13.55	128	174076	30.005	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	67618	25.459	ug/L	99

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

