

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
 Data File : VV010276.D
 Acq On : 12 Apr 2019 07:08
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02566

Quant Time: Apr 12 07:28:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 12 04:45:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	287417	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	272422	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	129976	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	69188	20.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.64%
7) Chloroethane-d5	1.55	69	67437	23.72	ug/L	-0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.88%
10) 1,1-Dichloroethene-d2	2.12	63	139923	16.62	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.48%
20) 2-Butanone-d5	3.92	46	49485	59.10	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	118.20%
24) Chloroform-d	4.39	84	174363	26.57	ug/L	-0.01
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.28%
26) 1,2-Dichloroethane-d4	5.07	65	102486	27.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.64%
29) Benzene-d6	5.09	84	348326	26.52	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.08%
33) 1,2-Dichloropropane-d6	6.11	67	106170	27.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.68%
37) Toluene-d8	7.36	98	336878	26.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.20%
38) trans-1,3-Dichloropropene-	7.66	79	43654	26.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	107.20%
39) 2-Hexanone-d5	8.13	63	35475	52.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.14%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	93166	26.57	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.28%
61) 1,2-Dichlorobenzene-d4	11.67	152	126409	26.34	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.36%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.13	85	92083	19.992 ug/L	99
3) Chloromethane	1.24	50	88547	23.429 ug/L	100
5) Vinyl chloride	1.32	62	88554	21.789 ug/L	100
6) Bromomethane	1.51	94	73287	22.249 ug/L	100
8) Chloroethane	1.58	64	63752	25.156 ug/L	99
9) Trichlorofluoromethane	1.75	101	176243	21.412 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	76047	17.258 ug/L	97
12) 1,1-Dichloroethene	2.13	96	72707	19.174 ug/L	81
13) Acetone	2.18	43	36942	41.295 ug/L	96
14) Carbon disulfide	2.31	76	205284	22.417 ug/L	98
15) Methyl Acetate	2.45	43	43140	27.076 ug/L	94
16) Methylene chloride	2.53	84	104450	18.557 ug/L	97
17) Methyl tert-butyl Ether	2.79	73	222555	27.122 ug/L	100
18) trans-1,2-Dichloroethene	2.78	96	86467	23.998 ug/L	96
19) 1,1-Dichloroethane	3.22	63	151658	25.588 ug/L	98
21) 2-Butanone	4.00	43	52821	51.769 ug/L	97
22) cis-1,2-Dichloroethene	3.95	96	101843	25.978 ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	52063	26.969	ug/L	93
25) Chloroform	4.42	83	182825	25.969	ug/L	96
27) 1,2-Dichloroethane	5.17	62	123205	27.345	ug/L	100
30) Cyclohexane	4.72	56	105635	20.706	ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	140754	24.700	ug/L	99
32) Carbon tetrachloride	4.87	117	122187	23.010	ug/L	100
34) Benzene	5.14	78	361341	26.167	ug/L	100
35) Trichloroethene	5.96	95	98941	24.798	ug/L	97
36) Methylcyclohexane	6.17	83	133265	22.352	ug/L	99
40) 1,2-Dichloropropane	6.22	63	91333	27.030	ug/L	100
41) Bromodichloromethane	6.55	83	124103	27.564	ug/L	97
42) cis-1,3-Dichloropropene	7.07	75	133218	26.016	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	114965	52.568	ug/L	98
44) Toluene	7.43	91	397914	25.631	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	115733	26.930	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	80518	28.091	ug/L	95
47) Tetrachloroethene	8.02	164	82492	23.322	ug/L	96
49) 2-Hexanone	8.18	43	72002	50.075	ug/L	96
50) Dibromochloromethane	8.29	129	98138	27.989	ug/L	98
51) 1,2-Dibromoethane	8.40	107	79400	27.160	ug/L	100
52) Chlorobenzene	8.92	112	273658	25.262	ug/L	99
53) Ethylbenzene	9.05	91	421559	24.625	ug/L	98
54) m,p-Xylene	9.18	106	167781	24.844	ug/L	99
55) o-xylene	9.59	106	166502	24.758	ug/L	95
56) Styrene	9.60	104	279892	26.140	ug/L	97
57) Isopropylbenzene	9.97	105	411963	24.102	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	90126	25.441	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	66116	25.359	ug/L	97
62) Bromoform	9.77	173	55515	29.430	ug/L	93
63) 1,3-Dichlorobenzene	11.23	146	206413	25.613	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	208925	25.476	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	200217	26.026	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	11143	25.604	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	143423	24.017	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	99409	24.294	ug/L	95
69) Naphthalene	13.55	128	136365	24.524	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	95183	25.082	ug/L	99

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

