

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040519\
 Data File : VV010143.D
 Acq On : 05 Apr 2019 22:22
 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 05 23:24:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 05 01:26:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	302197	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	287194	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	146544	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	71730	17.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.92%
7) Chloroethane-d5	1.58	69	97818	19.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.88%
10) 1,1-Dichloroethene-d2	2.13	63	188183	18.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.76%
20) 2-Butanone-d5	3.94	46	59284	51.50	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.00%
24) Chloroform-d	4.40	84	180385	23.69	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.76%
26) 1,2-Dichloroethane-d4	5.08	65	102280	24.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.04%
29) Benzene-d6	5.10	84	340886	22.89	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.56%
33) 1,2-Dichloropropane-d6	6.12	67	102100	23.23	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.92%
37) Toluene-d8	7.36	98	330457	23.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.12%
38) trans-1,3-Dichloropropene-	7.66	79	45175	24.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.16%
39) 2-Hexanone-d5	8.14	63	46511	52.76	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.52%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	107929	24.90	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.60%
61) 1,2-Dichlorobenzene-d4	11.67	152	136471	23.91	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.64%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	91043	20.830	ug/L 100
3) Chloromethane	1.25	50	78284	20.099	ug/L 98
5) Vinyl chloride	1.32	62	86317	20.346	ug/L 99
6) Bromomethane	1.53	94	108719	22.655	ug/L 99
8) Chloroethane	1.59	64	87308	23.541	ug/L 99
9) Trichlorofluoromethane	1.77	101	187945	21.492	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	104414	21.472	ug/L 97
12) 1,1-Dichloroethene	2.14	96	87436	21.163	ug/L 93
13) Acetone	2.20	43	45155	39.673	ug/L 98
14) Carbon disulfide	2.32	76	175310	20.446	ug/L 98
15) Methyl Acetate	2.46	43	44128	24.230	ug/L 96
16) Methylene chloride	2.53	84	96962	18.262	ug/L 98
17) Methyl tert-butyl Ether	2.81	73	235770	26.645	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	83376	23.104	ug/L 97
19) 1,1-Dichloroethane	3.23	63	152882	24.934	ug/L 99
21) 2-Butanone	4.03	43	59904	48.058	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	101051	25.218	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	50206	25.823	ug/L	91
25) Chloroform	4.43	83	173620	25.268	ug/L	99
27) 1,2-Dichloroethane	5.18	62	114736	24.479	ug/L	98
30) Cyclohexane	4.72	56	116348	22.442	ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	144553	24.680	ug/L	98
32) Carbon tetrachloride	4.87	117	128937	24.629	ug/L	97
34) Benzene	5.15	78	346874	24.698	ug/L	100
35) Trichloroethene	5.96	95	98414	24.346	ug/L	98
36) Methylcyclohexane	6.18	83	142939	23.603	ug/L	96
40) 1,2-Dichloropropane	6.22	63	90126	25.398	ug/L	99
41) Bromodichloromethane	6.55	83	119303	25.852	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	134910	26.264	ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	135798	51.723	ug/L	100
44) Toluene	7.43	91	391004	24.806	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	119211	27.288	ug/L	96
46) 1,1,2-Trichloroethane	7.88	97	82128	26.101	ug/L	99
47) Tetrachloroethene	8.02	164	83881	24.790	ug/L	92
49) 2-Hexanone	8.19	43	92446	49.297	ug/L	98
50) Dibromochloromethane	8.29	129	93239	26.434	ug/L	97
51) 1,2-Dibromoethane	8.40	107	79412	25.538	ug/L	99
52) Chlorobenzene	8.93	112	274945	25.573	ug/L	97
53) Ethylbenzene	9.05	91	431726	24.978	ug/L	100
54) m,p-Xylene	9.18	106	170109	25.286	ug/L	95
55) o-xylene	9.59	106	165195	25.346	ug/L	97
56) Styrene	9.60	104	277870	25.773	ug/L	99
57) Isopropylbenzene	9.97	105	438224	25.496	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	100154	24.783	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	74430	25.684	ug/L	100
62) Bromoform	9.77	173	51887	25.175	ug/L	96
63) 1,3-Dichlorobenzene	11.23	146	223108	25.938	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	226467	25.275	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	214503	25.385	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	14636	25.546	ug/L	90
67) 1,3,5-Trichlorobenzene	12.69	180	163795	25.643	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	127713	26.110	ug/L	99
69) Naphthalene	13.55	128	221304	27.194	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	125475	27.476	ug/L	99

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

