

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040819\
 Data File : VV010207.D
 Acq On : 09 Apr 2019 06:46
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02587

Quant Time: Apr 09 07:40:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 09 07:35:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	227399	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	201776	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	100486	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	65779	21.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.44%
7) Chloroethane-d5	1.56	69	77754	20.56	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.24%
10) 1,1-Dichloroethene-d2	2.12	63	173061	22.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.16%
20) 2-Butanone-d5	3.93	46	59441	68.62	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	137.24%#
24) Chloroform-d	4.40	84	143643	25.07	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.28%
26) 1,2-Dichloroethane-d4	5.08	65	85128	26.56	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.24%
29) Benzene-d6	5.09	84	284156	27.16	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.64%
33) 1,2-Dichloropropane-d6	6.11	67	84154	27.25	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	109.00%
37) Toluene-d8	7.36	98	262028	25.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.96%
38) trans-1,3-Dichloropropene-	7.66	79	32292	24.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.84%
39) 2-Hexanone-d5	8.14	63	41573	67.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	134.24%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	89460	29.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	117.48%
61) 1,2-Dichlorobenzene-d4	11.67	152	99920	25.53	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.13	85	67857	20.632	ug/L	100
3) Chloromethane	1.24	50	59008	20.133	ug/L	100
5) Vinyl chloride	1.32	62	64764	20.287	ug/L	97
6) Bromomethane	1.52	94	56991	15.782	ug/L	99
8) Chloroethane	1.58	64	71611	25.660	ug/L	99
9) Trichlorofluoromethane	1.75	101	157093	23.873	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.12	101	80820	22.087	ug/L	96
12) 1,1-Dichloroethene	2.13	96	65920	21.204	ug/L	93
13) Acetone	2.19	43	37459	43.736	ug/L	95
14) Carbon disulfide	2.31	76	128909	19.980	ug/L	99
15) Methyl Acetate	2.46	43	47152	34.406	ug/L	100
16) Methylene chloride	2.53	84	74061	18.537	ug/L	98
17) Methyl tert-butyl Ether	2.80	73	184655	27.733	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	63769	23.483	ug/L	99
19) 1,1-Dichloroethane	3.22	63	116970	25.352	ug/L	99
21) 2-Butanone	4.02	43	52996	56.500	ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	75306	24.975	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	38677	26.437	ug/L	94
25) Chloroform	4.42	83	134553	26.023	ug/L	98
27) 1,2-Dichloroethane	5.18	62	92406	26.200	ug/L	98
30) Cyclohexane	4.72	56	89976	24.703	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	110122	26.761	ug/L	99
32) Carbon tetrachloride	4.87	117	97481	26.503	ug/L	96
34) Benzene	5.14	78	260046	26.354	ug/L	100
35) Trichloroethene	5.96	95	74968	26.396	ug/L	98
36) Methylcyclohexane	6.17	83	104759	24.621	ug/L	100
40) 1,2-Dichloropropane	6.22	63	66242	26.570	ug/L	100
41) Bromodichloromethane	6.55	83	90156	27.806	ug/L	97
42) cis-1,3-Dichloropropene	7.07	75	91693	25.407	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	121454	65.842	ug/L	99
44) Toluene	7.43	91	285165	25.750	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	81787	26.646	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	65462	29.612	ug/L	99
47) Tetrachloroethene	8.02	164	60333	25.379	ug/L	96
49) 2-Hexanone	8.18	43	84306	63.987	ug/L	100
50) Dibromochloromethane	8.29	129	72664	29.322	ug/L	95
51) 1,2-Dibromoethane	8.40	107	66034	30.225	ug/L	97
52) Chlorobenzene	8.93	112	191861	25.400	ug/L	100
53) Ethylbenzene	9.05	91	301394	24.819	ug/L	98
54) m,p-Xylene	9.18	106	119602	25.305	ug/L	95
55) o-xylene	9.59	106	114325	24.967	ug/L	92
56) Styrene	9.60	104	191581	25.292	ug/L	98
57) Isopropylbenzene	9.97	105	298756	24.739	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	82859	29.183	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	63666	31.270	ug/L	98
62) Bromoform	9.77	173	42018	29.730	ug/L #	98
63) 1,3-Dichlorobenzene	11.23	146	146780	24.886	ug/L	96
64) 1,4-Dichlorobenzene	11.32	146	150247	24.455	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	148586	25.644	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	12758	32.474	ug/L	90
67) 1,3,5-Trichlorobenzene	12.69	180	106775	24.378	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	85739	25.563	ug/L	98
69) Naphthalene	13.55	128	174328	31.241	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	87600	27.975	ug/L	99

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

