

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040619\
 Data File : VV010165.D
 Acq On : 06 Apr 2019 21:15
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02584

Quant Time: Apr 07 03:32:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Sun Apr 07 00:49:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	243752	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	234185	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	124481	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	76056	23.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.24%
7) Chloroethane-d5	1.57	69	68511	16.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.60%
10) 1,1-Dichloroethene-d2	2.13	63	196459	23.87	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.48%
20) 2-Butanone-d5	3.94	46	52818	56.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.76%
24) Chloroform-d	4.40	84	165520	26.95	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.80%
26) 1,2-Dichloroethane-d4	5.08	65	95498	27.80	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	111.20%
29) Benzene-d6	5.10	84	331666	27.31	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	109.24%
33) 1,2-Dichloropropane-d6	6.12	67	96781	27.00	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.00%
37) Toluene-d8	7.36	98	317410	27.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.52%
38) trans-1,3-Dichloropropene-	7.66	79	41257	26.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	107.72%
39) 2-Hexanone-d5	8.13	63	40683	56.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.20%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	97551	27.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.40%
61) 1,2-Dichlorobenzene-d4	11.67	152	130429	26.90	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	70367	19.959	ug/L 99
3) Chloromethane	1.25	50	66839	21.275	ug/L 100
5) Vinyl chloride	1.32	62	68529	20.026	ug/L 99
6) Bromomethane	1.52	94	60644	15.667	ug/L 96
8) Chloroethane	1.59	64	49014	16.385	ug/L 99
9) Trichlorofluoromethane	1.76	101	151746	21.514	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	86815	22.133	ug/L 99
12) 1,1-Dichloroethene	2.14	96	72319	21.701	ug/L 97
13) Acetone	2.19	43	38336	41.757	ug/L 99
14) Carbon disulfide	2.32	76	138777	20.066	ug/L 97
15) Methyl Acetate	2.46	43	38985	26.539	ug/L 96
16) Methylene chloride	2.53	84	81772	19.094	ug/L 96
17) Methyl tert-butyl Ether	2.81	73	198977	27.879	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	68139	23.409	ug/L 99
19) 1,1-Dichloroethane	3.23	63	124548	25.183	ug/L 100
21) 2-Butanone	4.02	43	50829	50.554	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	83193	25.740	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	40261	25.673	ug/L	87
25) Chloroform	4.43	83	147195	26.558	ug/L	100
27) 1,2-Dichloroethane	5.18	62	98354	26.015	ug/L	97
30) Cyclohexane	4.73	56	92725	21.934	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	116523	24.397	ug/L	99
32) Carbon tetrachloride	4.87	117	103567	24.261	ug/L	97
34) Benzene	5.15	78	281006	24.537	ug/L	100
35) Trichloroethene	5.96	95	81439	24.707	ug/L	97
36) Methylcyclohexane	6.18	83	111889	22.658	ug/L	98
40) 1,2-Dichloropropane	6.22	63	74611	25.785	ug/L #	93
41) Bromodichloromethane	6.56	83	98294	26.121	ug/L	95
42) cis-1,3-Dichloropropene	7.07	75	117064	27.948	ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	117573	54.917	ug/L	97
44) Toluene	7.43	91	322561	25.096	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	94971	26.660	ug/L	94
46) 1,1,2-Trichloroethane	7.88	97	68540	26.714	ug/L	96
47) Tetrachloroethene	8.02	164	66788	24.206	ug/L	93
49) 2-Hexanone	8.18	43	78763	51.507	ug/L	94
50) Dibromochloromethane	8.29	129	78590	27.324	ug/L	98
51) 1,2-Dibromoethane	8.40	107	66665	26.291	ug/L	100
52) Chlorobenzene	8.93	112	229752	26.207	ug/L	96
53) Ethylbenzene	9.05	91	352409	25.004	ug/L	100
54) m,p-Xylene	9.18	106	141816	25.852	ug/L	99
55) o-xylene	9.59	106	141654	26.654	ug/L	92
56) Styrene	9.60	104	238503	27.129	ug/L	98
57) Isopropylbenzene	9.97	105	370718	26.450	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	88712	26.920	ug/L	94
59) 1,2,3-Trichloropropane	10.32	75	65087	27.544	ug/L	99
62) Bromoform	9.78	173	44981	25.692	ug/L	100
63) 1,3-Dichlorobenzene	11.23	146	190878	26.124	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	190355	25.010	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	186967	26.048	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	12464	25.610	ug/L	88
67) 1,3,5-Trichlorobenzene	12.69	180	143635	26.472	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	114374	27.527	ug/L	99
69) Naphthalene	13.55	128	198612	28.732	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	111765	28.812	ug/L	99

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

