

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV022519\
 Data File : VV009358.D
 Acq On : 25 Feb 2019 19:40
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02580

Quant Time: Feb 26 02:51:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022019S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 26 02:46:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	106524	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	109940	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	55120	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29622	20.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.60%
7) Chloroethane-d5	1.57	69	30507	18.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.80%
10) 1,1-Dichloroethene-d2	2.13	63	90146	25.87	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	103.48%
20) 2-Butanone-d5	3.93	46	18083	36.46	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	72.92%
24) Chloroform-d	4.40	84	55294	22.35	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.40%
26) 1,2-Dichloroethane-d4	5.08	65	28401	21.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.68%
29) Benzene-d6	5.10	84	115611	20.97	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.88%
33) 1,2-Dichloropropane-d6	6.12	67	36351	22.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.60%
37) Toluene-d8	7.36	98	116081	22.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.48%
38) trans-1,3-Dichloropropene-	7.66	79	17169	20.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.40%
39) 2-Hexanone-d5	8.13	63	16087	35.64	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	71.28%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	38519	21.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.84%
61) 1,2-Dichlorobenzene-d4	11.67	152	45570	22.51	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.04%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	24355	19.588	ug/L 96
3) Chloromethane	1.25	50	42860	28.215	ug/L 97
5) Vinyl chloride	1.32	62	53950	31.319	ug/L 96
6) Bromomethane	1.51	94	51480	32.114	ug/L 99
8) Chloroethane	1.59	64	37855	26.035	ug/L 98
9) Trichlorofluoromethane	1.76	101	96937	29.891	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	57049	30.761	ug/L 98
12) 1,1-Dichloroethene	2.14	96	49459	31.645	ug/L 94
13) Acetone	2.19	43	21039	43.394	ug/L 98
14) Carbon disulfide	2.32	76	93783	22.424	ug/L 99
15) Methyl Acetate	2.46	43	14363	20.317	ug/L 98
16) Methylene chloride	2.53	84	32423	20.121	ug/L 95
17) Methyl tert-butyl Ether	2.80	73	85893	24.811	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	34099	24.218	ug/L 96
19) 1,1-Dichloroethane	3.23	63	63511	27.157	ug/L 98
21) 2-Butanone	4.02	43	24502	44.112	ug/L 97
22) cis-1,2-Dichloroethene	3.96	96	43324	28.168	ug/L 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	19811	28.145	ug/L	93
25) Chloroform	4.43	83	69167	27.794	ug/L	95
27) 1,2-Dichloroethane	5.18	62	46806	27.776	ug/L	98
30) Cyclohexane	4.72	56	62921	24.690	ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	58537	23.577	ug/L	98
32) Carbon tetrachloride	4.87	117	47872	22.817	ug/L	98
34) Benzene	5.15	78	160348	26.674	ug/L	100
35) Trichloroethene	5.96	95	41428	24.777	ug/L	98
36) Methylcyclohexane	6.18	83	73076	24.986	ug/L	98
40) 1,2-Dichloropropane	6.22	63	41619	28.525	ug/L	99
41) Bromodichloromethane	6.56	83	52314	25.177	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	68562	27.690	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	55398	45.232	ug/L	96
44) Toluene	7.43	91	186452	27.966	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	57004	26.291	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	33849	26.053	ug/L	97
47) Tetrachloroethene	8.02	164	33859	25.910	ug/L	99
49) 2-Hexanone	8.18	43	37946	40.286	ug/L	95
50) Dibromochloromethane	8.29	129	41558	26.528	ug/L	96
51) 1,2-Dibromoethane	8.40	107	33997	26.089	ug/L	99
52) Chlorobenzene	8.93	112	127692	29.413	ug/L	98
53) Ethylbenzene	9.06	91	210724	27.977	ug/L	99
54) m,p-Xylene	9.18	106	85487	29.088	ug/L	98
55) o-xylene	9.59	106	83814	30.383	ug/L	100
56) Styrene	9.60	104	140537	29.687	ug/L	98
57) Isopropylbenzene	9.98	105	218863	28.659	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	48706	26.565	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	32827	24.986	ug/L	98
62) Bromoform	9.78	173	24893	24.427	ug/L #	99
63) 1,3-Dichlorobenzene	11.23	146	98632	27.856	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	99087	28.074	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	94380	28.428	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	7339	19.905	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	73690	28.762	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	56761	27.152	ug/L	98
69) Naphthalene	13.55	128	101783	22.715	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	51409	26.647	ug/L	96

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

