

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
 Data File : VV009095.D
 Acq On : 20 Dec 2018 19:55
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00 G/10ML/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02571

Quant Time: Dec 21 00:31:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 21 00:25:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	245138	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	220347	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	104349	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	51663	20.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.48%
7) Chloroethane-d5	1.58	69	48915	26.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.40%
10) 1,1-Dichloroethene-d2	2.13	63	161360	25.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.76%
20) 2-Butanone-d5	3.94	46	47036	50.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.86%
24) Chloroform-d	4.40	84	147610	25.05	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.20%
26) 1,2-Dichloroethane-d4	5.08	65	84905	26.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.60%
29) Benzene-d6	5.10	84	283588	23.04	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.16%
33) 1,2-Dichloropropane-d6	6.12	67	85018	24.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.72%
37) Toluene-d8	7.36	98	260443	22.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.48%
38) trans-1,3-Dichloropropene-	7.66	79	37997	25.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.40%
39) 2-Hexanone-d5	8.14	63	29006	45.96	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.92%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	74974	25.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.76%
61) 1,2-Dichlorobenzene-d4	11.67	152	95903	24.49	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.96%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	80409	20.010 ug/L	99
3) Chloromethane	1.25	50	59637	21.597 ug/L	99
5) Vinyl chloride	1.32	62	67829	22.004 ug/L	99
6) Bromomethane	1.53	94	39002	26.316 ug/L	100
8) Chloroethane	1.60	64	49438	28.635 ug/L	99
9) Trichlorofluoromethane	1.77	101	147064	27.853 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	99640	27.516 ug/L	98
12) 1,1-Dichloroethene	2.14	96	83591	26.453 ug/L	98
13) Acetone	2.20	43	61521	45.211 ug/L	98
14) Carbon disulfide	2.32	76	215935	21.281 ug/L	99
15) Methyl Acetate	2.46	43	41639	24.132 ug/L	99
16) Methylene chloride	2.53	84	91965	22.279 ug/L	99
17) Methyl tert-butyl Ether	2.80	73	197058	27.449 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	82748	24.234 ug/L	96
19) 1,1-Dichloroethane	3.23	63	139726	25.243 ug/L	99
21) 2-Butanone	4.02	43	62904	49.322 ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	91987	25.837 ug/L	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	43302	25.805	ug/L	97
25) Chloroform	4.43	83	159132	26.787	ug/L	100
27) 1,2-Dichloroethane	5.18	62	106637	26.351	ug/L	99
30) Cyclohexane	4.73	56	123408	22.242	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	138965	24.461	ug/L	99
32) Carbon tetrachloride	4.88	117	124313	23.968	ug/L	98
34) Benzene	5.15	78	316995	24.012	ug/L	100
35) Trichloroethene	5.96	95	96516	24.250	ug/L	98
36) Methylcyclohexane	6.18	83	146666	23.106	ug/L	99
40) 1,2-Dichloropropane	6.22	63	81196	25.627	ug/L	99
41) Bromodichloromethane	6.56	83	109727	26.275	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	126182	27.202	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	93638	43.725	ug/L	99
44) Toluene	7.43	91	342229	24.719	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	107347	26.547	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	69348	26.268	ug/L	97
47) Tetrachloroethene	8.02	164	74694	23.077	ug/L	98
49) 2-Hexanone	8.19	43	73937	41.732	ug/L	98
50) Dibromochloromethane	8.29	129	84783	28.017	ug/L	100
51) 1,2-Dibromoethane	8.40	107	68387	25.796	ug/L	99
52) Chlorobenzene	8.93	112	225875	25.056	ug/L	99
53) Ethylbenzene	9.06	91	376037	25.037	ug/L	98
54) m,p-Xylene	9.18	106	144878	25.475	ug/L	99
55) o-xylene	9.59	106	136984	25.925	ug/L	97
56) Styrene	9.60	104	226773	26.604	ug/L	97
57) Isopropylbenzene	9.98	105	370587	25.805	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	70732	24.783	ug/L #	96
59) 1,2,3-Trichloropropane	10.32	75	61364	24.849	ug/L	99
62) Bromoform	9.78	173	48822	25.913	ug/L	97
63) 1,3-Dichlorobenzene	11.23	146	172319	25.627	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	173453	25.068	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	161783	26.099	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	11100	21.857	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	119361	24.577	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	89617	26.335	ug/L	98
69) Naphthalene	13.55	128	141762	24.186	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	80440	25.588	ug/L	99

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

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