

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121918\
 Data File : VV009059.D
 Acq On : 19 Dec 2018 20:00
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02568

Quant Time: Dec 20 02:04:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 20 01:58:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	286924	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	251705	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	121212	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	55072	18.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.20%
7) Chloroethane-d5	1.58	69	59385	27.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.28%
10) 1,1-Dichloroethene-d2	2.13	63	149539	20.14	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.56%
20) 2-Butanone-d5	3.94	46	41268	38.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.36%
24) Chloroform-d	4.40	84	154231	22.36	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.44%
26) 1,2-Dichloroethane-d4	5.08	65	85136	22.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.48%
29) Benzene-d6	5.10	84	298693	21.25	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.00%
33) 1,2-Dichloropropane-d6	6.12	67	88808	22.57	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.28%
37) Toluene-d8	7.36	98	274142	21.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.28%
38) trans-1,3-Dichloropropene-	7.66	79	39446	22.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.24%
39) 2-Hexanone-d5	8.14	63	27907	38.71	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.42%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	70017	21.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	84.84%
61) 1,2-Dichlorobenzene-d4	11.67	152	95216	20.93	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.72%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	89492	19.027 ug/L	99
3) Chloromethane	1.25	50	67304	20.824 ug/L	100
5) Vinyl chloride	1.32	62	75469	20.917 ug/L	100
6) Bromomethane	1.53	94	52494	30.261 ug/L	98
8) Chloroethane	1.60	64	62752	31.053 ug/L	99
9) Trichlorofluoromethane	1.77	101	169306	27.396 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	96889	22.859 ug/L	97
12) 1,1-Dichloroethene	2.14	96	82565	22.323 ug/L	99
13) Acetone	2.19	43	62900	39.493 ug/L	97
14) Carbon disulfide	2.32	76	250368	21.081 ug/L	100
15) Methyl Acetate	2.46	43	36805	18.224 ug/L	94
16) Methylene chloride	2.53	84	101575	21.023 ug/L	97
17) Methyl tert-butyl Ether	2.80	73	207081	24.644 ug/L	96
18) trans-1,2-Dichloroethene	2.79	96	94350	23.607 ug/L	98
19) 1,1-Dichloroethane	3.23	63	157101	24.248 ug/L	99
21) 2-Butanone	4.02	43	61167	40.976 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	100776	24.183 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	48819	24.856	ug/L	99
25) Chloroform	4.43	83	176538	25.389	ug/L	100
27) 1,2-Dichloroethane	5.18	62	115743	24.436	ug/L	99
30) Cyclohexane	4.73	56	141091	22.261	ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	157741	24.307	ug/L	99
32) Carbon tetrachloride	4.88	117	142448	24.043	ug/L	99
34) Benzene	5.15	78	358506	23.773	ug/L	100
35) Trichloroethene	5.96	95	109268	24.034	ug/L	99
36) Methylcyclohexane	6.18	83	170647	23.534	ug/L	98
40) 1,2-Dichloropropane	6.22	63	89980	24.861	ug/L	99
41) Bromodichloromethane	6.56	83	123754	25.942	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	135544	25.580	ug/L	97
43) 4-Methyl-2-pentanone	7.27	43	97260	39.758	ug/L	99
44) Toluene	7.43	91	386033	24.409	ug/L	97
45) trans-1,3-Dichloropropene	7.69	75	118726	25.703	ug/L	96
46) 1,1,2-Trichloroethane	7.88	97	73647	24.421	ug/L	99
47) Tetrachloroethene	8.02	164	85281	23.065	ug/L	98
49) 2-Hexanone	8.19	43	78372	38.725	ug/L	98
50) Dibromochloromethane	8.29	129	92906	26.876	ug/L	100
51) 1,2-Dibromoethane	8.40	107	72592	23.971	ug/L	97
52) Chlorobenzene	8.93	112	255474	24.808	ug/L	99
53) Ethylbenzene	9.06	91	425008	24.772	ug/L	98
54) m,p-Xylene	9.18	106	163465	25.163	ug/L	97
55) o-xylene	9.59	106	154298	25.564	ug/L	98
56) Styrene	9.60	104	253655	26.051	ug/L	97
57) Isopropylbenzene	9.98	105	412722	25.159	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	72916	22.366	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	61378	21.758	ug/L	99
62) Bromoform	9.78	173	52062	23.789	ug/L	100
63) 1,3-Dichlorobenzene	11.23	146	187823	24.047	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	191003	23.764	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	175006	24.305	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	12366	20.962	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	134756	23.886	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	101574	25.696	ug/L	100
69) Naphthalene	13.55	128	168624	24.767	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	93503	25.605	ug/L	100

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

