

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV120618\
 Data File : VV008873.D
 Acq On : 06 Dec 2018 23:25
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0 mL/MSVOA_V/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02570

Quant Time: Dec 07 01:43:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 07 01:37:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	211721	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	187800	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	89535	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	52744	24.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.28%
7) Chloroethane-d5	1.58	69	38374	23.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.84%
10) 1,1-Dichloroethene-d2	2.13	63	127777	23.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.32%
20) 2-Butanone-d5	3.93	46	44068	55.25	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.50%
24) Chloroform-d	4.40	84	122999	24.17	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.68%
26) 1,2-Dichloroethane-d4	5.08	65	69573	25.05	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.20%
29) Benzene-d6	5.10	84	246697	23.52	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.08%
33) 1,2-Dichloropropane-d6	6.12	67	69656	23.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.88%
37) Toluene-d8	7.36	98	229873	23.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.72%
38) trans-1,3-Dichloropropene-	7.66	79	31330	24.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.12%
39) 2-Hexanone-d5	8.13	63	29640	55.10	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.20%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	64540	26.20	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.80%
61) 1,2-Dichlorobenzene-d4	11.67	152	78365	23.32	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.28%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	68788	19.820 ug/L	99
3) Chloromethane	1.25	50	51368	21.539 ug/L	99
5) Vinyl chloride	1.32	62	56749	21.315 ug/L	99
6) Bromomethane	1.53	94	30483	23.814 ug/L	99
8) Chloroethane	1.60	64	33123	22.213 ug/L	96
9) Trichlorofluoromethane	1.77	101	116413	25.528 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	70342	22.491 ug/L	99
12) 1,1-Dichloroethene	2.14	96	62293	22.825 ug/L	97
13) Acetone	2.19	43	50824	43.245 ug/L	98
14) Carbon disulfide	2.32	76	193781	22.112 ug/L	99
15) Methyl Acetate	2.46	43	37458	25.135 ug/L	99
16) Methylene chloride	2.53	84	74148	20.797 ug/L	97
17) Methyl tert-butyl Ether	2.80	73	158730	25.600 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	68149	23.108 ug/L	100
19) 1,1-Dichloroethane	3.23	63	113481	23.737 ug/L	100
21) 2-Butanone	4.02	43	52369	47.543 ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	73085	23.767 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	35168	24.265	ug/L	99
25) Chloroform	4.43	83	123945	24.157	ug/L	99
27) 1,2-Dichloroethane	5.18	62	85614	24.495	ug/L	99
30) Cyclohexane	4.73	56	103478	21.882	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	110408	22.802	ug/L	99
32) Carbon tetrachloride	4.88	117	99370	22.480	ug/L	100
34) Benzene	5.15	78	259598	23.072	ug/L	100
35) Trichloroethene	5.96	95	75740	22.328	ug/L	98
36) Methylcyclohexane	6.18	83	119631	22.113	ug/L	99
40) 1,2-Dichloropropane	6.22	63	62948	23.311	ug/L	99
41) Bromodichloromethane	6.56	83	85498	24.022	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	94251	23.840	ug/L	97
43) 4-Methyl-2-pentanone	7.27	43	93115	51.017	ug/L	99
44) Toluene	7.43	91	275479	23.346	ug/L	97
45) trans-1,3-Dichloropropene	7.69	75	82782	24.020	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	54321	24.142	ug/L	98
47) Tetrachloroethene	8.02	164	60926	22.086	ug/L	99
49) 2-Hexanone	8.19	43	63942	42.346	ug/L	98
50) Dibromochloromethane	8.29	129	64396	24.968	ug/L	98
51) 1,2-Dibromoethane	8.40	107	56884	25.175	ug/L	100
52) Chlorobenzene	8.93	112	181989	23.686	ug/L	100
53) Ethylbenzene	9.06	91	302916	23.663	ug/L	99
54) m,p-Xylene	9.18	106	115088	23.744	ug/L	98
55) o-xylene	9.59	106	109081	24.222	ug/L	96
56) Styrene	9.60	104	180449	24.839	ug/L	97
57) Isopropylbenzene	9.98	105	291599	23.824	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	63298	26.022	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	53130	25.244	ug/L	100
62) Bromoform	9.78	173	38946	24.092	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	133960	23.219	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	136895	23.058	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	126360	23.758	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	10913	25.044	ug/L	91
67) 1,3,5-Trichlorobenzene	12.69	180	94446	22.664	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	69131	23.676	ug/L	98
69) Naphthalene	13.55	128	118317	23.526	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	64931	24.072	ug/L	99

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

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