

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121818\
 Data File : VV009026.D
 Acq On : 18 Dec 2018 20:57
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02565

Quant Time: Dec 19 06:23:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 19 06:18:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	259224	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	239227	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	110000	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	58663	21.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.48%
7) Chloroethane-d5	1.58	69	54504	27.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	110.00%
10) 1,1-Dichloroethene-d2	2.13	63	158712	23.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.64%
20) 2-Butanone-d5	3.94	46	46317	47.42	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.84%
24) Chloroform-d	4.40	84	153011	24.55	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.08	65	87978	25.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.48%
29) Benzene-d6	5.10	84	302798	22.66	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.64%
33) 1,2-Dichloropropane-d6	6.12	67	89853	24.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.08%
37) Toluene-d8	7.36	98	280125	22.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.64%
38) trans-1,3-Dichloropropene-	7.66	79	41012	24.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.80%
39) 2-Hexanone-d5	8.13	63	29236	42.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.32%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	74286	23.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.68%
61) 1,2-Dichlorobenzene-d4	11.67	152	95108	23.04	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.16%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	83787	19.718	ug/L 100
3) Chloromethane	1.25	50	66075	22.629	ug/L 99
5) Vinyl chloride	1.32	62	70655	21.675	ug/L 100
6) Bromomethane	1.53	94	44853	28.619	ug/L 100
8) Chloroethane	1.60	64	54035	29.597	ug/L 100
9) Trichlorofluoromethane	1.77	101	146455	26.231	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	88393	23.083	ug/L 99
12) 1,1-Dichloroethene	2.14	96	76707	22.955	ug/L 97
13) Acetone	2.20	43	54819	38.097	ug/L 99
14) Carbon disulfide	2.32	76	231750	21.598	ug/L 100
15) Methyl Acetate	2.46	43	42048	23.045	ug/L 99
16) Methylene chloride	2.53	84	89073	20.405	ug/L 97
17) Methyl tert-butyl Ether	2.80	73	194066	25.563	ug/L 97
18) trans-1,2-Dichloroethene	2.79	96	83772	23.200	ug/L 99
19) 1,1-Dichloroethane	3.23	63	141905	24.243	ug/L 99
21) 2-Butanone	4.02	43	63007	46.719	ug/L 93
22) cis-1,2-Dichloroethene	3.96	96	92747	24.634	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	45171	25.456	ug/L	97
25) Chloroform	4.43	83	157516	25.074	ug/L	99
27) 1,2-Dichloroethane	5.18	62	108291	25.306	ug/L	100
30) Cyclohexane	4.73	56	124654	20.693	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	135649	21.993	ug/L	100
32) Carbon tetrachloride	4.88	117	121101	21.506	ug/L	98
34) Benzene	5.15	78	324494	22.640	ug/L	100
35) Trichloroethene	5.96	95	97968	22.672	ug/L	99
36) Methylcyclohexane	6.18	83	144666	20.992	ug/L	98
40) 1,2-Dichloropropane	6.22	63	80497	23.401	ug/L	100
41) Bromodichloromethane	6.56	83	111620	24.619	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	128374	25.490	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	95328	41.001	ug/L	100
44) Toluene	7.43	91	347954	23.149	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	108479	24.709	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	68642	23.949	ug/L	98
47) Tetrachloroethene	8.02	164	75526	21.493	ug/L	98
49) 2-Hexanone	8.19	43	78207	40.659	ug/L	98
50) Dibromochloromethane	8.29	129	84729	25.789	ug/L	100
51) 1,2-Dibromoethane	8.40	107	69642	24.196	ug/L	98
52) Chlorobenzene	8.93	112	232877	23.794	ug/L	99
53) Ethylbenzene	9.06	91	378438	23.208	ug/L	98
54) m,p-Xylene	9.18	106	146599	23.743	ug/L	98
55) o-xylene	9.59	106	138715	24.181	ug/L	96
56) Styrene	9.60	104	228142	24.653	ug/L	97
57) Isopropylbenzene	9.98	105	368493	23.634	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	73009	23.562	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	62029	23.136	ug/L	99
62) Bromoform	9.78	173	48649	24.495	ug/L	97
63) 1,3-Dichlorobenzene	11.23	146	166062	23.428	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	169876	23.290	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	154736	23.680	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	11814	22.068	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	110906	21.663	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	83180	23.187	ug/L	99
69) Naphthalene	13.55	128	144554	23.395	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	76465	23.074	ug/L	99

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

