

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010819\
 Data File : VV009197.D
 Acq On : 08 Jan 2019 16:17
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00 G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02562

Quant Time: Jan 09 00:34:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM010819S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 09 00:23:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	258458	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	240580	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	125292	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	69142	29.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	116.84%
7) Chloroethane-d5	1.58	69	56109	27.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.28%
10) 1,1-Dichloroethene-d2	2.13	63	180300	27.89	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	111.56%#
20) 2-Butanone-d5	3.95	46	50697	49.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.86%
24) Chloroform-d	4.40	84	167782	27.90	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.60%
26) 1,2-Dichloroethane-d4	5.08	65	91982	28.12	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	112.48%
29) Benzene-d6	5.10	84	342033	28.35	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	113.40%
33) 1,2-Dichloropropane-d6	6.12	67	96515	27.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	111.80%
37) Toluene-d8	7.36	98	321809	28.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	112.76%
38) trans-1,3-Dichloropropene-	7.67	79	48244	28.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	113.68%
39) 2-Hexanone-d5	8.14	63	34552	54.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.54%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	94363	28.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.32%
61) 1,2-Dichlorobenzene-d4	11.67	152	124528	26.44	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	108185	25.838	ug/L 99
3) Chloromethane	1.25	50	74943	27.214	ug/L 99
5) Vinyl chloride	1.32	62	75993	26.745	ug/L 99
6) Bromomethane	1.54	94	54639	26.264	ug/L 98
8) Chloroethane	1.60	64	45596	25.040	ug/L 99
9) Trichlorofluoromethane	1.77	101	152885	28.727	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	90103	26.452	ug/L 98
12) 1,1-Dichloroethene	2.14	96	80988	27.218	ug/L 89
13) Acetone	2.21	43	72427	47.325	ug/L 92
14) Carbon disulfide	2.32	76	266697	26.594	ug/L 99
15) Methyl Acetate	2.47	43	44693	24.128	ug/L 92
16) Methylene chloride	2.54	84	90306	24.172	ug/L 88
17) Methyl tert-butyl Ether	2.81	73	217861	27.715	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	89477	26.445	ug/L 97
19) 1,1-Dichloroethane	3.23	63	145603	26.736	ug/L 97
21) 2-Butanone	4.04	43	69955	46.918	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	97177	27.241	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	47354	27.892	ug/L	95
25) Chloroform	4.43	83	158083	27.081	ug/L	98
27) 1,2-Dichloroethane	5.18	62	110223	27.801	ug/L	98
30) Cyclohexane	4.73	56	139676	26.871	ug/L	100
31) 1,1,1-Trichloroethane	4.66	97	141825	25.783	ug/L	99
32) Carbon tetrachloride	4.88	117	131677	26.135	ug/L	98
34) Benzene	5.15	78	337352	26.633	ug/L	100
35) Trichloroethene	5.96	95	95081	26.299	ug/L	98
36) Methylcyclohexane	6.18	83	163204	26.735	ug/L	98
40) 1,2-Dichloropropane	6.22	63	81453	26.404	ug/L	99
41) Bromodichloromethane	6.56	83	114351	26.955	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	138358	28.547	ug/L	99
43) 4-Methyl-2-pentanone	7.28	43	123892	51.091	ug/L	99
44) Toluene	7.43	91	367395	27.010	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	121903	28.567	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	74039	27.532	ug/L	98
47) Tetrachloroethene	8.02	164	82417	26.431	ug/L	99
49) 2-Hexanone	8.19	43	96205	50.101	ug/L	98
50) Dibromochloromethane	8.29	129	90497	27.593	ug/L	98
51) 1,2-Dibromoethane	8.40	107	73971	26.946	ug/L	99
52) Chlorobenzene	8.93	112	251219	26.863	ug/L	97
53) Ethylbenzene	9.06	91	417627	27.175	ug/L	100
54) m,p-Xylene	9.18	106	160160	26.976	ug/L	99
55) o-xylene	9.59	106	155056	27.455	ug/L	100
56) Styrene	9.60	104	263743	28.073	ug/L	100
57) Isopropylbenzene	9.98	105	421700	27.487	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	92877	27.661	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	69844	26.385	ug/L	99
62) Bromoform	9.78	173	56999	26.866	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	204823	26.140	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	207875	26.034	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	192454	26.016	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	16845	25.395	ug/L	91
67) 1,3,5-Trichlorobenzene	12.69	180	162684	26.079	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	136236	26.962	ug/L	100
69) Naphthalene	13.55	128	271421	27.900	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	125685	27.244	ug/L	99

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

