

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
 Data File : VV009112.D
 Acq On : 21 Dec 2018 04:23
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00 G/10ML/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02572

Quant Time: Dec 21 05:54:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 21 01:30:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	214828	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	199672	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	91440	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	42184	18.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.92%
7) Chloroethane-d5	1.58	69	45312	27.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	110.36%
10) 1,1-Dichloroethene-d2	2.13	63	113277	20.38	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.52%
20) 2-Butanone-d5	3.94	46	45362	56.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.10%
24) Chloroform-d	4.40	84	128395	24.86	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.44%
26) 1,2-Dichloroethane-d4	5.08	65	76178	27.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	108.12%
29) Benzene-d6	5.10	84	244683	21.94	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.76%
33) 1,2-Dichloropropane-d6	6.12	67	75691	24.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.96%
37) Toluene-d8	7.36	98	228857	22.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.72%
38) trans-1,3-Dichloropropene-	7.66	79	32903	23.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.96%
39) 2-Hexanone-d5	8.14	63	29735	51.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.98%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	69428	26.51	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.04%
61) 1,2-Dichlorobenzene-d4	11.67	152	83462	24.32	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.28%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	62697	17.804	ug/L 99
3) Chloromethane	1.25	50	47790	19.749	ug/L 99
5) Vinyl chloride	1.32	62	52968	19.607	ug/L 100
6) Bromomethane	1.53	94	41404	31.878	ug/L 98
8) Chloroethane	1.60	64	39525	26.123	ug/L 99
9) Trichlorofluoromethane	1.76	101	115053	24.865	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	68817	21.685	ug/L 99
12) 1,1-Dichloroethene	2.14	96	59182	21.371	ug/L 99
13) Acetone	2.20	43	36491	30.601	ug/L 99
14) Carbon disulfide	2.32	76	173555	19.517	ug/L 99
15) Methyl Acetate	2.46	43	36814	24.346	ug/L 99
16) Methylene chloride	2.53	84	76705	21.203	ug/L 98
17) Methyl tert-butyl Ether	2.80	73	175046	27.823	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	68442	22.872	ug/L 97
19) 1,1-Dichloroethane	3.23	63	118319	24.391	ug/L 99
21) 2-Butanone	4.02	43	45913	41.079	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	75843	24.308	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	37166	25.273	ug/L	97
25) Chloroform	4.42	83	132313	25.415	ug/L	100
27) 1,2-Dichloroethane	5.18	62	92390	26.052	ug/L	100
30) Cyclohexane	4.73	56	93849	18.666	ug/L	97
31) 1,1,1-Trichloroethane	4.66	97	111608	21.680	ug/L	99
32) Carbon tetrachloride	4.88	117	99945	21.265	ug/L	99
34) Benzene	5.15	78	261615	21.869	ug/L	100
35) Trichloroethene	5.96	95	80811	22.406	ug/L	99
36) Methylcyclohexane	6.18	83	111918	19.457	ug/L	99
40) 1,2-Dichloropropane	6.22	63	69352	24.155	ug/L	98
41) Bromodichloromethane	6.56	83	92666	24.488	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	104233	24.797	ug/L	97
43) 4-Methyl-2-pentanone	7.27	43	89710	46.229	ug/L	99
44) Toluene	7.43	91	284067	22.642	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	90759	24.768	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	60715	25.380	ug/L	99
47) Tetrachloroethene	8.02	164	61748	21.053	ug/L	99
49) 2-Hexanone	8.19	43	63686	39.668	ug/L	99
50) Dibromochloromethane	8.29	129	73101	26.658	ug/L	99
51) 1,2-Dibromoethane	8.40	107	59947	24.954	ug/L	100
52) Chlorobenzene	8.93	112	193788	23.722	ug/L	99
53) Ethylbenzene	9.06	91	312877	22.988	ug/L	99
54) m,p-Xylene	9.18	106	117705	22.840	ug/L	96
55) o-xylene	9.59	106	115361	24.093	ug/L	98
56) Styrene	9.60	104	188637	24.422	ug/L	96
57) Isopropylbenzene	9.98	105	299059	22.981	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	64451	24.921	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	56620	25.302	ug/L	99
62) Bromoform	9.78	173	43500	26.348	ug/L	97
63) 1,3-Dichlorobenzene	11.23	146	141593	24.031	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	141170	23.282	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	133522	24.581	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	10960	24.628	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	96269	22.620	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	69985	23.469	ug/L	98
69) Naphthalene	13.55	128	118947	23.159	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	65525	23.786	ug/L	99

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

