

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121918\
 Data File : VV009076.D
 Acq On : 20 Dec 2018 03:42
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02569

Quant Time: Dec 20 04:02:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 20 03:44:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	231653	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	205856	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	90289	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	47879	19.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.88%
7) Chloroethane-d5	1.58	69	42119	23.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.12%
10) 1,1-Dichloroethene-d2	2.13	63	133556	22.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.12%
20) 2-Butanone-d5	3.93	46	50472	57.83	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.66%
24) Chloroform-d	4.40	84	137454	24.68	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.72%
26) 1,2-Dichloroethane-d4	5.08	65	80687	26.55	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.20%
29) Benzene-d6	5.10	84	262592	22.84	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.36%
33) 1,2-Dichloropropane-d6	6.12	67	79112	24.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.32%
37) Toluene-d8	7.36	98	245823	23.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.40%
38) trans-1,3-Dichloropropene-	7.66	79	36382	25.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.92%
39) 2-Hexanone-d5	8.14	63	30864	52.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.68%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	68560	25.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.56%
61) 1,2-Dichlorobenzene-d4	11.67	152	80093	23.64	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.56%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	74658	19.661 ug/L	99
3) Chloromethane	1.25	50	58011	22.232 ug/L	99
5) Vinyl chloride	1.32	62	62538	21.468 ug/L	99
6) Bromomethane	1.53	94	42041	30.018 ug/L	96
8) Chloroethane	1.59	64	42921	26.307 ug/L	98
9) Trichlorofluoromethane	1.77	101	135791	27.215 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	79921	23.355 ug/L	98
12) 1,1-Dichloroethene	2.14	96	69523	23.282 ug/L	97
13) Acetone	2.20	43	45820	35.633 ug/L	99
14) Carbon disulfide	2.32	76	204312	21.307 ug/L	100
15) Methyl Acetate	2.46	43	43178	26.480 ug/L	99
16) Methylene chloride	2.53	84	88338	22.646 ug/L	97
17) Methyl tert-butyl Ether	2.80	73	184333	27.171 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	77535	24.029 ug/L	98
19) 1,1-Dichloroethane	3.23	63	133600	25.541 ug/L	98
21) 2-Butanone	4.02	43	55480	46.034 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	87668	26.057 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	42273	26.658	ug/L	99
25) Chloroform	4.43	83	150969	26.892	ug/L	100
27) 1,2-Dichloroethane	5.18	62	102028	26.680	ug/L	100
30) Cyclohexane	4.73	56	109002	21.028	ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	128053	24.127	ug/L	99
32) Carbon tetrachloride	4.88	117	113714	23.468	ug/L	99
34) Benzene	5.15	78	299414	24.277	ug/L	100
35) Trichloroethene	5.96	95	92061	24.759	ug/L	100
36) Methylcyclohexane	6.18	83	129301	21.804	ug/L	100
40) 1,2-Dichloropropane	6.22	63	76181	25.737	ug/L	99
41) Bromodichloromethane	6.56	83	104822	26.868	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	115645	26.685	ug/L	97
43) 4-Methyl-2-pentanone	7.27	43	96727	48.347	ug/L	100
44) Toluene	7.43	91	320891	24.809	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	101127	26.769	ug/L	95
46) 1,1,2-Trichloroethane	7.88	97	72361	29.339	ug/L	97
47) Tetrachloroethene	8.02	164	72924	24.116	ug/L	98
49) 2-Hexanone	8.19	43	67792	40.957	ug/L	99
50) Dibromochloromethane	8.29	129	81172	28.712	ug/L	100
51) 1,2-Dibromoethane	8.40	107	66250	26.749	ug/L	99
52) Chlorobenzene	8.93	112	213352	25.333	ug/L	99
53) Ethylbenzene	9.06	91	346557	24.698	ug/L	98
54) m,p-Xylene	9.18	106	131775	24.802	ug/L	98
55) o-xylene	9.59	106	126845	25.696	ug/L	98
56) Styrene	9.60	104	207938	26.112	ug/L	98
57) Isopropylbenzene	9.98	105	329091	24.529	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	69916	26.222	ug/L #	98
59) 1,2,3-Trichloropropane	10.32	75	59711	25.882	ug/L	98
62) Bromoform	9.78	173	46984	28.821	ug/L	97
63) 1,3-Dichlorobenzene	11.23	146	147304	25.319	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	148770	24.849	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	137265	25.592	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	13417	30.533	ug/L	91
67) 1,3,5-Trichlorobenzene	12.69	180	104970	24.979	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	70251	23.859	ug/L	99
69) Naphthalene	13.55	128	120124	23.686	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	65259	23.992	ug/L	100

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

