

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV030719\
 Data File : VV009522.D
 Acq On : 07 Mar 2019 10:13
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02570

Quant Time: Mar 08 03:59:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 07 02:53:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	189474	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	178571	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	83742	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	55200	24.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.80%
7) Chloroethane-d5	1.58	69	91453	27.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	110.92%
10) 1,1-Dichloroethene-d2	2.12	63	141874	23.90	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.60%
20) 2-Butanone-d5	3.94	46	29595	38.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.16%
24) Chloroform-d	4.40	84	113078	25.05	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.20%
26) 1,2-Dichloroethane-d4	5.08	65	62630	24.39	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.56%
29) Benzene-d6	5.09	84	223912	25.32	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.28%
33) 1,2-Dichloropropane-d6	6.11	67	67459	25.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.40%
37) Toluene-d8	7.36	98	218051	25.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.16%
38) trans-1,3-Dichloropropene-	7.66	79	30607	24.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.80%
39) 2-Hexanone-d5	8.14	63	24206	39.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.48%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	60005	21.57	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.28%
61) 1,2-Dichlorobenzene-d4	11.67	152	75025	24.54	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.16%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	49523	22.700	ug/L 97
3) Chloromethane	1.25	50	53546	23.029	ug/L 98
5) Vinyl chloride	1.32	62	60542	23.618	ug/L 100
6) Bromomethane	1.53	94	66528	20.848	ug/L 100
8) Chloroethane	1.59	64	69178	24.286	ug/L 97
9) Trichlorofluoromethane	1.76	101	126722	24.100	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	70384	23.905	ug/L 95
12) 1,1-Dichloroethene	2.13	96	58344	23.161	ug/L 94
13) Acetone	2.20	43	28720	36.344	ug/L 98
14) Carbon disulfide	2.31	76	152009	23.807	ug/L 100
15) Methyl Acetate	2.46	43	20966	16.384	ug/L 96
16) Methylene chloride	2.53	84	54225	21.807	ug/L 99
17) Methyl tert-butyl Ether	2.80	73	124921	22.145	ug/L 99
18) trans-1,2-Dichloroethene	2.78	96	53729	23.745	ug/L 99
19) 1,1-Dichloroethane	3.23	63	94940	23.813	ug/L 99
21) 2-Butanone	4.03	43	33002	33.091	ug/L 96
22) cis-1,2-Dichloroethene	3.96	96	61619	24.122	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	26115	22.171	ug/L	90
25) Chloroform	4.42	83	109047	24.508	ug/L	99
27) 1,2-Dichloroethane	5.17	62	70680	22.872	ug/L	99
30) Cyclohexane	4.72	56	90377	23.848	ug/L	97
31) 1,1,1-Trichloroethane	4.65	97	96852	24.262	ug/L	99
32) Carbon tetrachloride	4.87	117	82346	24.400	ug/L	98
34) Benzene	5.14	78	222306	24.093	ug/L	100
35) Trichloroethene	5.96	95	61874	23.333	ug/L	97
36) Methylcyclohexane	6.17	83	101341	23.460	ug/L	98
40) 1,2-Dichloropropane	6.22	63	54824	23.044	ug/L #	98
41) Bromodichloromethane	6.55	83	77753	24.213	ug/L	96
42) cis-1,3-Dichloropropene	7.07	75	88862	24.059	ug/L	100
43) 4-Methyl-2-pentanone	7.28	43	66962	35.705	ug/L	99
44) Toluene	7.43	91	245007	23.491	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	73369	22.745	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	43922	22.221	ug/L	96
47) Tetrachloroethene	8.02	164	49296	24.510	ug/L	99
49) 2-Hexanone	8.19	43	52442	36.979	ug/L	96
50) Dibromochloromethane	8.29	129	54159	22.633	ug/L	97
51) 1,2-Dibromoethane	8.40	107	44045	21.567	ug/L #	95
52) Chlorobenzene	8.93	112	160959	23.283	ug/L	99
53) Ethylbenzene	9.05	91	281234	23.564	ug/L	99
54) m,p-Xylene	9.18	106	106074	23.482	ug/L	100
55) o-xylene	9.59	106	104151	23.911	ug/L	95
56) Styrene	9.60	104	168577	23.524	ug/L	99
57) Isopropylbenzene	9.97	105	286268	23.827	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	56583	20.274	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	40024	19.894	ug/L	99
62) Bromoform	9.78	173	29383	21.622	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	123804	23.668	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	123442	23.094	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	115391	23.655	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	8918	18.252	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	88867	23.685	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	70569	23.491	ug/L	99
69) Naphthalene	13.55	128	124830	19.728	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	63484	22.971	ug/L	100

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

