

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040219\
 Data File : VV010086.D
 Acq On : 03 Apr 2019 04:04
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02577

Quant Time: Apr 03 06:53:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 03 06:44:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	309300	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	294773	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	143606	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	76333	18.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.76%
7) Chloroethane-d5	1.56	69	93806	18.24	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.96%
10) 1,1-Dichloroethene-d2	2.12	63	204408	19.57	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.28%
20) 2-Butanone-d5	3.93	46	45697	38.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.56%
24) Chloroform-d	4.39	84	189074	24.26	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.04%
26) 1,2-Dichloroethane-d4	5.07	65	103722	23.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.16%
29) Benzene-d6	5.09	84	367572	24.05	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.20%
33) 1,2-Dichloropropane-d6	6.11	67	110303	24.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.80%
37) Toluene-d8	7.36	98	343666	23.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.32%
38) trans-1,3-Dichloropropene-	7.66	79	41652	21.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.40%
39) 2-Hexanone-d5	8.14	63	34278	37.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.78%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	91659	20.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	82.40%
61) 1,2-Dichlorobenzene-d4	11.67	152	127681	22.82	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.28%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	82093	18.351	ug/L 100
3) Chloromethane	1.24	50	86576	21.717	ug/L 97
5) Vinyl chloride	1.31	62	85589	19.711	ug/L 99
6) Bromomethane	1.52	94	94201	19.179	ug/L 99
8) Chloroethane	1.58	64	98899	26.054	ug/L 96
9) Trichlorofluoromethane	1.75	101	197300	22.044	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	2.12	101	99537	19.999	ug/L 99
12) 1,1-Dichloroethene	2.13	96	83954	19.854	ug/L 92
13) Acetone	2.19	43	32524	27.919	ug/L 97
14) Carbon disulfide	2.31	76	181656	20.700	ug/L 100
15) Methyl Acetate	2.46	43	40513	21.734	ug/L 99
16) Methylene chloride	2.53	84	103984	19.135	ug/L 98
17) Methyl tert-butyl Ether	2.80	73	230370	25.437	ug/L 100
18) trans-1,2-Dichloroethene	2.78	96	87191	23.606	ug/L 98
19) 1,1-Dichloroethane	3.22	63	163307	26.023	ug/L 99
21) 2-Butanone	4.02	43	49125	38.505	ug/L 86
22) cis-1,2-Dichloroethene	3.95	96	105450	25.712	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	51516	25.888	ug/L	89
25) Chloroform	4.42	83	186537	26.524	ug/L	99
27) 1,2-Dichloroethane	5.17	62	122806	25.599	ug/L	98
30) Cyclohexane	4.72	56	109427	20.565	ug/L	98
31) 1,1,1-Trichloroethane	4.65	97	142096	23.637	ug/L	99
32) Carbon tetrachloride	4.87	117	123150	22.919	ug/L	100
34) Benzene	5.14	78	370045	25.671	ug/L	100
35) Trichloroethene	5.96	95	101694	24.510	ug/L	99
36) Methylcyclohexane	6.17	83	132282	21.282	ug/L	98
40) 1,2-Dichloropropane	6.22	63	94732	26.010	ug/L	100
41) Bromodichloromethane	6.55	83	123995	26.178	ug/L	96
42) cis-1,3-Dichloropropene	7.07	75	134088	25.433	ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	108716	40.343	ug/L	98
44) Toluene	7.43	91	397014	24.540	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	110371	24.615	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	78982	24.456	ug/L	97
47) Tetrachloroethene	8.02	164	77658	22.361	ug/L	96
49) 2-Hexanone	8.19	43	72615	37.726	ug/L	98
50) Dibromochloromethane	8.29	129	92237	25.478	ug/L	97
51) 1,2-Dibromoethane	8.40	107	79050	24.768	ug/L	99
52) Chlorobenzene	8.92	112	271960	24.645	ug/L	98
53) Ethylbenzene	9.05	91	412950	23.278	ug/L	98
54) m,p-Xylene	9.18	106	165611	23.985	ug/L	99
55) o-xylene	9.59	106	164820	24.638	ug/L	94
56) Styrene	9.60	104	281107	25.403	ug/L	96
57) Isopropylbenzene	9.97	105	409635	23.219	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	90378	21.789	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	65925	22.164	ug/L	99
62) Bromoform	9.77	173	48641	24.082	ug/L	97
63) 1,3-Dichlorobenzene	11.23	146	205417	24.370	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	210513	23.975	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	204481	24.694	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	11993	21.361	ug/L	89
67) 1,3,5-Trichlorobenzene	12.69	180	149893	23.947	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	117835	24.583	ug/L	99
69) Naphthalene	13.55	128	186450	23.380	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	115468	25.802	ug/L	98

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

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