

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041619\
 Data File : VV010333.D
 Acq On : 16 Apr 2019 13:28
 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: Apr 16 23:03:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Apr 15 01:59:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	326779	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	315579	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	167448	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	83129	22.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.40%
7) Chloroethane-d5	1.57	69	74234	22.96	ug/L	0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.84%
10) 1,1-Dichloroethene-d2	2.13	63	222786	23.27	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.08%
20) 2-Butanone-d5	3.93	46	49506	52.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.02%
24) Chloroform-d	4.40	84	193549	25.94	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.76%
26) 1,2-Dichloroethane-d4	5.08	65	101352	23.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.40%
29) Benzene-d6	5.10	84	359738	23.64	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.56%
33) 1,2-Dichloropropane-d6	6.11	67	104750	23.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.56%
37) Toluene-d8	7.36	98	359241	24.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.84%
38) trans-1,3-Dichloropropene-	7.66	79	47095	24.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.84%
39) 2-Hexanone-d5	8.13	63	36959	47.28	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.56%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	99284	24.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.76%
61) 1,2-Dichlorobenzene-d4	11.67	152	145715	23.56	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.24%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	138653	26.477	ug/L	97
3) Chloromethane	1.25	50	109760	25.544	ug/L	95
5) Vinyl chloride	1.33	62	124612	26.968	ug/L	98
6) Bromomethane	1.52	94	100150	26.742	ug/L	99
8) Chloroethane	1.59	64	77626	26.941	ug/L	99
9) Trichlorofluoromethane	1.77	101	254751	27.222	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	128923	25.733	ug/L	100
12) 1,1-Dichloroethene	2.14	96	114724	26.610	ug/L	96
13) Acetone	2.18	43	52919	52.030	ug/L	99
14) Carbon disulfide	2.32	76	281628	27.049	ug/L	98
15) Methyl Acetate	2.46	43	44695	24.673	ug/L	97
16) Methylene chloride	2.54	84	112477	17.576	ug/L	99
17) Methyl tert-butyl Ether	2.80	73	229078	24.554	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	108188	26.410	ug/L	95
19) 1,1-Dichloroethane	3.23	63	179444	26.629	ug/L	97
21) 2-Butanone	4.01	43	56470	48.678	ug/L	77
22) cis-1,2-Dichloroethene	3.96	96	114558	25.701	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	56478	25.732	ug/L	96
25) Chloroform	4.42	83	200940	25.104	ug/L	98
27) 1,2-Dichloroethane	5.18	62	132377	25.842	ug/L	99
30) Cyclohexane	4.72	56	155465	26.307	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	186724	28.286	ug/L	99
32) Carbon tetrachloride	4.87	117	179409	29.165	ug/L	96
34) Benzene	5.14	78	411964	25.753	ug/L	100
35) Trichloroethene	5.96	95	118077	25.547	ug/L	94
36) Methylcyclohexane	6.17	83	190002	27.510	ug/L	99
40) 1,2-Dichloropropane	6.22	63	100416	25.654	ug/L	99
41) Bromodichloromethane	6.55	83	142077	27.241	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	152188	25.656	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	127615	50.373	ug/L	98
44) Toluene	7.43	91	476359	26.488	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	136978	27.515	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	82129	24.735	ug/L	97
47) Tetrachloroethene	8.02	164	111001	27.090	ug/L	97
49) 2-Hexanone	8.18	43	88935	53.393	ug/L	98
50) Dibromochloromethane	8.29	129	109741	27.018	ug/L	99
51) 1,2-Dibromoethane	8.39	107	85772	25.327	ug/L	96
52) Chlorobenzene	8.92	112	322546	25.703	ug/L	97
53) Ethylbenzene	9.05	91	537545	27.106	ug/L	99
54) m,p-Xylene	9.18	106	215450	27.540	ug/L	100
55) o-xylene	9.59	106	205854	26.424	ug/L	94
56) Styrene	9.60	104	345714	27.871	ug/L	100
57) Isopropylbenzene	9.97	105	553133	27.936	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	102940	25.084	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	75611	25.034	ug/L	96
62) Bromoform	9.77	173	64311	26.464	ug/L	97
63) 1,3-Dichlorobenzene	11.23	146	268648	25.875	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	274624	25.994	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	255033	25.733	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	14458	25.787	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	210085	27.307	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	140050	26.567	ug/L	98
69) Naphthalene	13.55	128	172754	24.115	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	128977	26.381	ug/L	99

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

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