

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050919\
 Data File : VV010804.D
 Acq On : 10 May 2019 09:19
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02593

Quant Time: May 10 22:55:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 10 07:54:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	92592	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	94962	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	45541	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	38477	26.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.00%
7) Chloroethane-d5	1.57	69	33045	27.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	111.68%
10) 1,1-Dichloroethene-d2	2.13	63	84259	27.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	108.04%
20) 2-Butanone-d5	3.93	46	20997	48.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.30%
24) Chloroform-d	4.40	84	71856	28.46	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	113.84%
26) 1,2-Dichloroethane-d4	5.08	65	43605	27.66	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	110.64%
29) Benzene-d6	5.10	84	142788	28.57	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	114.28%
33) 1,2-Dichloropropane-d6	6.12	67	44868	28.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	112.68%
37) Toluene-d8	7.36	98	134987	28.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	112.80%
38) trans-1,3-Dichloropropene-	7.66	79	18874	25.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.96%
39) 2-Hexanone-d5	8.13	63	15112	45.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.68%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	37923	25.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.36%
61) 1,2-Dichlorobenzene-d4	11.67	152	49323	27.96	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	111.84%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	30319	23.643	ug/L	98
3) Chloromethane	1.25	50	34239	21.948	ug/L	98
5) Vinyl chloride	1.32	62	42357	23.384	ug/L	97
6) Bromomethane	1.51	94	23488	26.738	ug/L	100
8) Chloroethane	1.59	64	27292	24.193	ug/L	100
9) Trichlorofluoromethane	1.76	101	67438	24.732	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	40464	25.993	ug/L	99
12) 1,1-Dichloroethene	2.14	96	37334	25.612	ug/L	96
13) Acetone	2.19	43	25067	37.512	ug/L	99
14) Carbon disulfide	2.31	76	85530	23.877	ug/L	99
15) Methyl Acetate	2.46	43	16001	20.044	ug/L	96
16) Methylene chloride	2.53	84	33980	23.735	ug/L	95
17) Methyl tert-butyl Ether	2.80	73	82013	22.469	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	32626	24.761	ug/L	96
19) 1,1-Dichloroethane	3.23	63	64723	25.444	ug/L	99
21) 2-Butanone	4.01	43	23737	37.480	ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	35912	23.859	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	15850	23.426	ug/L	95
25) Chloroform	4.42	83	72197	25.763	ug/L	98
27) 1,2-Dichloroethane	5.18	62	48961	23.903	ug/L	98
30) Cyclohexane	4.72	56	57657	24.209	ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	58661	24.775	ug/L	99
32) Carbon tetrachloride	4.87	117	52146	25.283	ug/L	100
34) Benzene	5.14	78	139452	25.016	ug/L	100
35) Trichloroethene	5.96	95	38473	24.638	ug/L	98
36) Methylcyclohexane	6.17	83	60540	24.190	ug/L	99
40) 1,2-Dichloropropane	6.22	63	37657	25.393	ug/L	99
41) Bromodichloromethane	6.55	83	49384	24.236	ug/L	97
42) cis-1,3-Dichloropropene	7.07	75	55458	23.644	ug/L	96
43) 4-Methyl-2-pentanone	7.27	43	47400	37.972	ug/L	98
44) Toluene	7.43	91	158588	25.048	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	46614	23.601	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	27820	22.836	ug/L	95
47) Tetrachloroethene	8.02	164	26759	23.662	ug/L	88
49) 2-Hexanone	8.18	43	35766	37.686	ug/L	99
50) Dibromochloromethane	8.29	129	32872	23.464	ug/L	94
51) 1,2-Dibromoethane	8.40	107	25896	22.008	ug/L	95
52) Chlorobenzene	8.92	112	101330	24.497	ug/L	98
53) Ethylbenzene	9.05	91	183359	24.977	ug/L	99
54) m,p-Xylene	9.18	106	68649	25.029	ug/L	98
55) o-xylene	9.59	106	67726	24.895	ug/L	94
56) Styrene	9.60	104	114341	24.850	ug/L	99
57) Isopropylbenzene	9.97	105	182593	25.156	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	34526	21.631	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	26321	21.129	ug/L	98
62) Bromoform	9.77	173	15757	20.319	ug/L	98
63) 1,3-Dichlorobenzene	11.22	146	77809	24.545	ug/L	96
64) 1,4-Dichlorobenzene	11.32	146	78207	24.152	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	73509	23.875	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	5296	18.537	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	55593	24.345	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	42406	24.001	ug/L	97
69) Naphthalene	13.55	128	75490	19.961	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	39429	23.790	ug/L	98

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

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