

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV030619\
 Data File : VV009520.D
 Acq On : 06 Mar 2019 16:46
 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: Mar 07 02:57:05 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	182982	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	169257	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	81787	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	54713	24.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.36%
7) Chloroethane-d5	1.58	69	93045	29.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	116.84%
10) 1,1-Dichloroethene-d2	2.13	63	141753	24.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	98.92%
20) 2-Butanone-d5	3.94	46	26613	35.46	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	70.92%
24) Chloroform-d	4.40	84	107199	24.59	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.36%
26) 1,2-Dichloroethane-d4	5.08	65	59119	23.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.36%
29) Benzene-d6	5.10	84	221343	26.40	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.60%
33) 1,2-Dichloropropane-d6	6.12	67	64885	26.23	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.92%
37) Toluene-d8	7.36	98	214600	26.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.04%
38) trans-1,3-Dichloropropene-	7.66	79	28029	23.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.52%
39) 2-Hexanone-d5	8.13	63	21198	36.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	73.44%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	57605	21.85	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.40%
61) 1,2-Dichlorobenzene-d4	11.67	152	74000	24.79	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.16%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	50387	23.915	ug/L 99
3) Chloromethane	1.25	50	54607	24.319	ug/L 100
5) Vinyl chloride	1.32	62	62935	25.423	ug/L 98
6) Bromomethane	1.53	94	75056	24.355	ug/L 98
8) Chloroethane	1.60	64	78902	28.682	ug/L 99
9) Trichlorofluoromethane	1.76	101	129170	25.437	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	72036	25.334	ug/L 97
12) 1,1-Dichloroethene	2.14	96	61526	25.291	ug/L 91
13) Acetone	2.20	43	27490	36.022	ug/L 98
14) Carbon disulfide	2.31	76	155841	25.273	ug/L 100
15) Methyl Acetate	2.46	43	22348	18.083	ug/L 97
16) Methylene chloride	2.53	84	55042	22.921	ug/L 97
17) Methyl tert-butyl Ether	2.80	73	122620	22.508	ug/L 98
18) trans-1,2-Dichloroethene	2.79	96	56411	25.815	ug/L 100
19) 1,1-Dichloroethane	3.23	63	98533	25.591	ug/L 99
21) 2-Butanone	4.03	43	33358	34.634	ug/L 97
22) cis-1,2-Dichloroethene	3.96	96	63185	25.613	ug/L 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	27341	24.036	ug/L	96
25) Chloroform	4.42	83	112594	26.203	ug/L	99
27) 1,2-Dichloroethane	5.18	62	73565	24.651	ug/L	99
30) Cyclohexane	4.72	56	94181	26.219	ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	98758	26.101	ug/L	99
32) Carbon tetrachloride	4.87	117	84072	26.282	ug/L	100
34) Benzene	5.14	78	233228	26.668	ug/L	100
35) Trichloroethene	5.96	95	65631	26.112	ug/L	98
36) Methylcyclohexane	6.17	83	107585	26.276	ug/L	97
40) 1,2-Dichloropropane	6.22	63	58041	25.739	ug/L	99
41) Bromodichloromethane	6.55	83	79566	26.141	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	93923	26.828	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	67544	37.997	ug/L	99
44) Toluene	7.43	91	259857	26.286	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	77749	25.429	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	46481	24.810	ug/L	97
47) Tetrachloroethene	8.02	164	51135	26.823	ug/L	96
49) 2-Hexanone	8.19	43	54061	40.218	ug/L	96
50) Dibromochloromethane	8.29	129	54734	24.131	ug/L	96
51) 1,2-Dibromoethane	8.40	107	45560	23.537	ug/L	96
52) Chlorobenzene	8.92	112	168966	25.786	ug/L	99
53) Ethylbenzene	9.05	91	294699	26.050	ug/L	97
54) m,p-Xylene	9.18	106	113646	26.543	ug/L	94
55) o-xylene	9.59	106	107948	26.146	ug/L	94
56) Styrene	9.60	104	179958	26.494	ug/L	98
57) Isopropylbenzene	9.97	105	301217	26.451	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	59014	22.308	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	40920	21.458	ug/L	100
62) Bromoform	9.77	173	29958	22.572	ug/L	100
63) 1,3-Dichlorobenzene	11.23	146	131563	25.753	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	128997	24.710	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	121514	25.505	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	9254	19.393	ug/L	90
67) 1,3,5-Trichlorobenzene	12.69	180	94236	25.716	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	73888	25.184	ug/L	99
69) Naphthalene	13.55	128	130479	21.114	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	66285	24.558	ug/L	98

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

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