

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052019\
 Data File : VV010989.D
 Acq On : 21 May 2019 07:14
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02560

Quant Time: May 22 04:56:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 22 04:53:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	144777	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	146029	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	64536	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	32869	19.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.64%
7) Chloroethane-d5	1.55	69	21767	19.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.92%
10) 1,1-Dichloroethene-d2	2.11	63	63206	19.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.68%
20) 2-Butanone-d5	3.93	46	30136	52.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.82%
24) Chloroform-d	4.39	84	95174	25.38	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.52%
26) 1,2-Dichloroethane-d4	5.07	65	55198	24.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.92%
29) Benzene-d6	5.09	84	201296	25.25	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.00%
33) 1,2-Dichloropropane-d6	6.11	67	62155	24.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.16%
37) Toluene-d8	7.36	98	191926	25.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.60%
38) trans-1,3-Dichloropropene-	7.66	79	23760	22.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.36%
39) 2-Hexanone-d5	8.13	63	21361	45.21	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.42%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	62541	24.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.92%
61) 1,2-Dichlorobenzene-d4	11.67	152	67261	25.67	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.68%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.13	85	41003	19.184	ug/L	99
3) Chloromethane	1.24	50	43424	22.429	ug/L	98
5) Vinyl chloride	1.31	62	42768	21.994	ug/L	99
6) Bromomethane	1.50	94	13063	19.267	ug/L	99
8) Chloroethane	1.57	64	21511	22.108	ug/L	97
9) Trichlorofluoromethane	1.74	101	64353	20.765	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.12	101	36399	20.596	ug/L	96
12) 1,1-Dichloroethene	2.12	96	32344	21.170	ug/L	95
13) Acetone	2.19	43	19148	34.864	ug/L	99
14) Carbon disulfide	2.30	76	89713	20.969	ug/L	99
15) Methyl Acetate	2.45	43	27387	25.953	ug/L	98
16) Methylene chloride	2.52	84	62512	25.160	ug/L	96
17) Methyl tert-butyl Ether	2.80	73	138873	25.689	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	48893	23.198	ug/L	98
19) 1,1-Dichloroethane	3.22	63	97733	25.467	ug/L	98
21) 2-Butanone	4.01	43	37088	49.347	ug/L	96
22) cis-1,2-Dichloroethene	3.95	96	60451	25.760	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	29949	26.930	ug/L	95
25) Chloroform	4.42	83	107181	24.682	ug/L	100
27) 1,2-Dichloroethane	5.17	62	69779	26.140	ug/L	99
30) Cyclohexane	4.72	56	60047	19.789	ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	77860	23.703	ug/L	99
32) Carbon tetrachloride	4.87	117	65767	21.955	ug/L	99
34) Benzene	5.14	78	228355	27.127	ug/L	100
35) Trichloroethene	5.95	95	58079	24.971	ug/L	99
36) Methylcyclohexane	6.17	83	74630	21.704	ug/L	99
40) 1,2-Dichloropropane	6.22	63	63077	28.512	ug/L	98
41) Bromodichloromethane	6.55	83	77215	26.113	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	83372	25.318	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	82618	52.096	ug/L	99
44) Toluene	7.43	91	252882	27.070	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	69041	24.890	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	52939	28.082	ug/L	99
47) Tetrachloroethene	8.02	164	42213	23.251	ug/L	99
49) 2-Hexanone	8.18	43	55658	48.068	ug/L	98
50) Dibromochloromethane	8.29	129	61179	27.572	ug/L	99
51) 1,2-Dibromoethane	8.39	107	50103	27.483	ug/L	97
52) Chlorobenzene	8.92	112	173294	27.064	ug/L	99
53) Ethylbenzene	9.05	91	268124	26.341	ug/L	99
54) m,p-Xylene	9.18	106	103837	26.173	ug/L	97
55) o-xylene	9.59	106	104411	27.585	ug/L	100
56) Styrene	9.60	104	185784	28.480	ug/L	98
57) Isopropylbenzene	9.97	105	250309	25.068	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	66305	26.712	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	48092	26.375	ug/L	99
62) Bromoform	9.77	173	33892	29.584	ug/L	97
63) 1,3-Dichlorobenzene	11.23	146	118797	26.989	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	121480	26.797	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	122382	28.674	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	9087	26.801	ug/L	99
67) 1,3,5-Trichlorobenzene	12.69	180	79050	24.482	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	60495	23.704	ug/L	98
69) Naphthalene	13.55	128	131457	25.696	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	62650	25.145	ug/L	99

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

