

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122719\
 Data File : VW014481.D
 Acq On : 27 Dec 2019 22:05
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

Manual Integrations
 APPROVED

apatel
 12/30/2019 11:02:03 AM

Quant Time: Dec 28 03:23:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 27 20:56:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1177137	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1064762	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	513199	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	403777	24.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.32%
7) Chloroethane-d5	2.89	69	321406	26.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.16%
10) 1,1-Dichloroethene-d2	4.02	63	758149	24.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.92%
20) 2-Butanone-d5	7.07	46	212731	53.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.74%
24) Chloroform-d	7.64	84	751484	27.75	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.00%
26) 1,2-Dichloroethane-d4	8.30	65	386396	27.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.96%
29) Benzene-d6	8.27	84	1585035	27.99	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	111.96%
33) 1,2-Dichloropropane-d6	9.27	67	478904	28.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	112.52%
37) Toluene-d8	10.32	98	1441757	28.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	112.36%
38) trans-1,3-Dichloropropene-	10.57	79	197271	28.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	112.20%
39) 2-Hexanone-d5	10.92	63	169058	58.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.16%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	355034	27.77	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	111.08%
61) 1,2-Dichlorobenzene-d4	13.85	152	481855	28.50	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	114.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	240484	22.837	ug/L	98
3) Chloromethane	2.21	50	250278	21.023	ug/L	99
5) Vinyl chloride	2.36	62	398500	23.525	ug/L	98
6) Bromomethane	2.78	94	238182	24.080	ug/L	100
8) Chloroethane	2.92	64	232225	24.516	ug/L	99
9) Trichlorofluoromethane	3.25	101	192008	21.430	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	356393	23.171	ug/L	98
12) 1,1-Dichloroethene	4.04	96	361879m	24.026	ug/L	
13) Acetone	4.12	43	182210	33.329	ug/L	97
14) Carbon disulfide	4.39	76	1118931	24.062	ug/L	98
15) Methyl Acetate	4.67	43	177844	24.107	ug/L	100
16) Methylene chloride	4.92	84	413898	21.563	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	494209	25.492	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	387979	24.453	ug/L	98
19) 1,1-Dichloroethane	6.21	63	718091	25.037	ug/L	100
21) 2-Butanone	7.17	43	254065	43.314	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	420147	25.157	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	180603	24.980	ug/L	96
25) Chloroform	7.67	83	684890	24.966	ug/L	100
27) 1,2-Dichloroethane	8.40	62	439010	24.652	ug/L	99
30) Cyclohexane	7.95	56	657603	24.144	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	526355	24.099	ug/L	100
32) Carbon tetrachloride	8.07	117	487829	23.972	ug/L	99
34) Benzene	8.32	78	1620755	25.294	ug/L	100
35) Trichloroethene	9.09	95	401042	24.251	ug/L	99
36) Methylcyclohexane	9.33	83	672880	23.193	ug/L	99
40) 1,2-Dichloropropane	9.37	63	406653	25.074	ug/L	99
41) Bromodichloromethane	9.64	83	487235	24.976	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	615638	25.412	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	504721	48.479	ug/L	99
44) Toluene	10.38	91	1692358	25.274	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	486564	25.118	ug/L	97
46) 1,1,2-Trichloroethane	10.78	97	283236	24.656	ug/L	99
47) Tetrachloroethene	10.86	164	329089	23.700	ug/L	98
49) 2-Hexanone	10.96	43	343450	48.309	ug/L	99
50) Dibromochloromethane	11.13	129	323895	24.832	ug/L	95
51) 1,2-Dibromoethane	11.23	107	264113	24.357	ug/L #	93
52) Chlorobenzene	11.65	112	1045949	24.710	ug/L	99
53) Ethylbenzene	11.73	91	1838523	24.972	ug/L	99
54) m,p-Xylene	11.84	106	701254	25.170	ug/L	99
55) o-xylene	12.16	106	670615	25.483	ug/L	100
56) Styrene	12.18	104	1153401	26.040	ug/L	99
57) Isopropylbenzene	12.46	105	1762719	25.181	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	336535	24.129	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	251153	24.038	ug/L	99
62) Bromoform	12.35	173	187969	24.511	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	797438	24.543	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	797603	24.346	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	723370	24.835	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	52089	24.150	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	580514	24.119	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	455117	25.225	ug/L	99
69) Naphthalene	15.36	128	843710	27.087	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	416236	25.458	ug/L	100

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

