

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112019\
 Data File : VW014086.D
 Acq On : 20 Nov 2019 09:44
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

Manual Integrations
 APPROVED

MMDadoda
 11/21/2019 11:45:04 AM

Quant Time: Nov 21 03:37:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 20 15:05:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	327512	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	307855	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	184763	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	118085	22.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.40%
7) Chloroethane-d5	2.89	69	99951	23.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.36%
10) 1,1-Dichloroethene-d2	4.02	63	246067	22.95	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.80%
20) 2-Butanone-d5	7.07	46	62132	40.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.86%
24) Chloroform-d	7.64	84	246340	24.46	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.84%
26) 1,2-Dichloroethane-d4	8.30	65	120432	23.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.16%
29) Benzene-d6	8.27	84	512474	23.46	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.84%
33) 1,2-Dichloropropane-d6	9.27	67	150521	23.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.08%
37) Toluene-d8	10.32	98	480648	23.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.80%
38) trans-1,3-Dichloropropene-	10.57	79	63190	23.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.24%
39) 2-Hexanone-d5	10.92	63	48211	39.73	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.46%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	106886	22.12	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.48%
61) 1,2-Dichlorobenzene-d4	13.85	152	166535	22.43	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.72%

Target Compounds

					Ovalue	
2) Dichlorodifluoromethane	2.01	85	76285m	19.585	ug/L	
3) Chloromethane	2.21	50	72538	20.967	ug/L	97
5) Vinyl chloride	2.37	62	132914	24.605	ug/L	92
6) Bromomethane	2.78	94	80736	24.140	ug/L	99
8) Chloroethane	2.92	64	78252	24.353	ug/L	99
9) Trichlorofluoromethane	3.26	101	86130	23.383	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	134330	24.698	ug/L	99
12) 1,1-Dichloroethene	4.04	96	132876	24.033	ug/L	94
13) Acetone	4.12	43	51780	33.520	ug/L	99
14) Carbon disulfide	4.38	76	376008	23.895	ug/L	99
15) Methyl Acetate	4.67	43	51374	20.555	ug/L	98
16) Methylene chloride	4.91	84	131838	20.909	ug/L	96
17) Methyl tert-butyl Ether	5.42	73	153849	21.570	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	138585	24.037	ug/L	98
19) 1,1-Dichloroethane	6.21	63	241052	24.822	ug/L	99
21) 2-Butanone	7.16	43	72287	36.425	ug/L	97
22) cis-1,2-Dichloroethene	7.16	96	146631	24.168	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	64221	24.114	ug/L	92
25) Chloroform	7.67	83	241220	25.294	ug/L	99
27) 1,2-Dichloroethane	8.40	62	144780	25.075	ug/L	97
30) Cyclohexane	7.95	56	232458	23.595	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	192329	24.929	ug/L	99
32) Carbon tetrachloride	8.06	117	187459	25.311	ug/L	99
34) Benzene	8.32	78	562925	24.929	ug/L	100
35) Trichloroethene	9.09	95	144253	23.948	ug/L	99
36) Methylcyclohexane	9.33	83	255785	23.683	ug/L	99
40) 1,2-Dichloropropane	9.37	63	133987	24.649	ug/L	100
41) Bromodichloromethane	9.64	83	166346	25.313	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	208981	24.361	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	141084	39.309	ug/L	100
44) Toluene	10.38	91	598861	24.324	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	161136	23.754	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	93192	23.332	ug/L	100
47) Tetrachloroethene	10.86	164	131881	24.564	ug/L	97
49) 2-Hexanone	10.96	43	99632	38.504	ug/L	98
50) Dibromochloromethane	11.13	129	113559	24.189	ug/L	99
51) 1,2-Dibromoethane	11.23	107	88620	22.868	ug/L	96
52) Chlorobenzene	11.66	112	372523	24.136	ug/L	97
53) Ethylbenzene	11.73	91	664338	24.590	ug/L	99
54) m,p-Xylene	11.83	106	256597	24.440	ug/L	98
55) o-xylene	12.16	106	242075	24.622	ug/L	98
56) Styrene	12.18	104	413302	24.885	ug/L	100
57) Isopropylbenzene	12.46	105	671645	24.846	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	104091	22.322	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	75324	21.478	ug/L	99
62) Bromoform	12.35	173	66852	22.079	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	299880	23.115	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	301536	23.525	ug/L	98
65) 1,2-Dichlorobenzene	13.86	146	267857	23.316	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	14876	19.014	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	234459	23.714	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	179656	23.110	ug/L	99
69) Naphthalene	15.36	128	275236	19.929	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	155299	22.636	ug/L	99

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

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