

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060520\
 Data File : VW015548.D
 Acq On : 05 Jun 2020 17:56
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

Manual Integrations
 APPROVED

MMDadoda
 6/10/2020 4:13:17 PM

Quant Time: Jun 06 04:42:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 06 04:08:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	313470	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	290283	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	147447	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	88294	30.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	122.96%
7) Chloroethane-d5	2.89	69	91960	32.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	128.76%
10) 1,1-Dichloroethene-d2	4.01	63	193925	27.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	110.84%#
20) 2-Butanone-d5	7.11	46	63455	67.66	ug/L	0.03
Spiked Amount	50.000	Range	20 - 135	Recovery	=	135.32%#
24) Chloroform-d	7.65	84	217539	30.01	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	120.04%
26) 1,2-Dichloroethane-d4	8.31	65	126811	31.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	125.76%
29) Benzene-d6	8.27	84	412323	28.96	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	115.84%
33) 1,2-Dichloropropane-d6	9.28	67	127564	29.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	117.96%
37) Toluene-d8	10.32	98	388605	28.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	112.32%
38) trans-1,3-Dichloropropene-	10.58	79	56649	28.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	113.24%
39) 2-Hexanone-d5	10.93	63	52573	70.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	140.38%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	109329	33.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	134.24%#
61) 1,2-Dichlorobenzene-d4	13.85	152	141572	28.65	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	114.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	66095	23.867	ug/L 95
3) Chloromethane	2.21	50	69989	22.958	ug/L 98
5) Vinyl chloride	2.37	62	119838	26.140	ug/L 99
6) Bromomethane	2.79	94	75891	25.469	ug/L 100
8) Chloroethane	2.93	64	75138	26.924	ug/L 99
9) Trichlorofluoromethane	3.26	101	90085	27.612	ug/L 96
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	100831	26.058	ug/L 99
12) 1,1-Dichloroethene	4.03	96	95670	25.595	ug/L 95
13) Acetone	4.18	43	44226m	60.998	ug/L
14) Carbon disulfide	4.38	76	292950	23.493	ug/L 100
15) Methyl Acetate	4.70	43	46237	29.476	ug/L 99
16) Methylene chloride	4.92	84	106181	27.599	ug/L 96
17) Methyl tert-butyl Ether	5.44	73	163788	27.613	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	103866	25.929	ug/L 96
19) 1,1-Dichloroethane	6.22	63	189124	26.249	ug/L 99
21) 2-Butanone	7.20	43	63576	57.080	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	110330	26.403	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	50192	27.854	ug/L	98
25) Chloroform	7.68	83	198078	27.303	ug/L	100
27) 1,2-Dichloroethane	8.40	62	141153	28.760	ug/L	97
30) Cyclohexane	7.96	56	177754	24.772	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	168192	25.899	ug/L	99
32) Carbon tetrachloride	8.07	117	154672	25.968	ug/L	100
34) Benzene	8.32	78	433134	26.681	ug/L	100
35) Trichloroethene	9.09	95	114733	26.312	ug/L	99
36) Methylcyclohexane	9.34	83	199393	25.639	ug/L	99
40) 1,2-Dichloropropane	9.37	63	106630	26.673	ug/L	99
41) Bromodichloromethane	9.65	83	143142	26.802	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	169557	26.505	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	139273	59.433	ug/L	100
44) Toluene	10.39	91	472048	26.690	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	154905	27.825	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	82108	29.358	ug/L	98
47) Tetrachloroethene	10.87	164	91948	26.601	ug/L	99
49) 2-Hexanone	10.98	43	96696	61.133	ug/L	99
50) Dibromochloromethane	11.13	129	96516	28.404	ug/L	98
51) 1,2-Dibromoethane	11.24	107	79201	29.498	ug/L	99
52) Chlorobenzene	11.66	112	303063	27.319	ug/L	97
53) Ethylbenzene	11.73	91	542570	26.717	ug/L	99
54) m,p-Xylene	11.84	106	202685	26.597	ug/L	100
55) o-xylene	12.17	106	195087	26.970	ug/L	100
56) Styrene	12.18	104	336966	27.263	ug/L	99
57) Isopropylbenzene	12.46	105	538050	26.702	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	100563	31.058	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	75243	30.647	ug/L	100
62) Bromoform	12.35	173	55080	26.811	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	235305	26.080	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	239544	27.096	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	216484	27.611	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	17152	28.837	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	173735	27.813	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	141027	28.031	ug/L	99
69) Naphthalene	15.37	128	291367	31.895	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	128363	29.990	ug/L	98

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

