

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111620\
 Data File : VW017270.D
 Acq On : 16 Nov 2020 20:25
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02537

Manual Integrations
 APPROVED

MMDadoda
 11/17/2020 6:53:48 PM

Quant Time: Nov 17 09:06:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 17 06:08:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	385698	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	347994	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	189487	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	93139	19.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.68%
7) Chloroethane-d5	2.89	69	83478	22.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.20%
10) 1,1-Dichloroethene-d2	4.03	63	187300	21.55	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.20%
20) 2-Butanone-d5	7.08	46	53938	49.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.30%
24) Chloroform-d	7.65	84	231619	25.72	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.88%
26) 1,2-Dichloroethane-d4	8.31	65	115257	25.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.00%
29) Benzene-d6	8.27	84	414563	23.39	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.56%
33) 1,2-Dichloropropane-d6	9.27	67	117767	24.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.12%
37) Toluene-d8	10.32	98	405711	24.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.12%
38) trans-1,3-Dichloropropene-	10.58	79	54828	24.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.24%
39) 2-Hexanone-d5	10.93	63	46410	54.25	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.50%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	112357	26.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.24%
61) 1,2-Dichlorobenzene-d4	13.85	152	179265	26.85	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	92016	23.778	ug/L 98
3) Chloromethane	2.21	50	68062	19.379	ug/L 98
5) Vinyl chloride	2.37	62	112615	21.862	ug/L 100
6) Bromomethane	2.78	94	84343	23.676	ug/L 98
8) Chloroethane	2.93	64	71149	22.892	ug/L 96
9) Trichlorofluoromethane	3.26	101	104761	25.006	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	117855	23.673	ug/L 98
12) 1,1-Dichloroethene	4.04	96	106150	22.174	ug/L 97
13) Acetone	4.13	43	30340	41.709	ug/L 96
14) Carbon disulfide	4.39	76	241938	18.571	ug/L 99
15) Methyl Acetate	4.67	43	35447m	19.660	ug/L
16) Methylene chloride	4.92	84	108019	20.773	ug/L 99
17) Methyl tert-butyl Ether	5.43	73	148946	25.481	ug/L 97
18) trans-1,2-Dichloroethene	5.43	96	111105	22.421	ug/L 97
19) 1,1-Dichloroethane	6.22	63	181849	23.163	ug/L 97
21) 2-Butanone	7.18	43	48679	41.677	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	123138	23.503	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	59506	23.590	ug/L	92
25) Chloroform	7.68	83	214084	25.047	ug/L	99
27) 1,2-Dichloroethane	8.40	62	125588	24.519	ug/L	97
30) Cyclohexane	7.96	56	144371	22.034	ug/L	97
31) 1,1,1-Trichloroethane	7.88	97	191288	26.842	ug/L	99
32) Carbon tetrachloride	8.07	117	179122	26.048	ug/L	100
34) Benzene	8.32	78	419600	22.963	ug/L	100
35) Trichloroethene	9.09	95	122448	23.922	ug/L	97
36) Methylcyclohexane	9.34	83	187384	22.750	ug/L	97
40) 1,2-Dichloropropane	9.37	63	98999	23.176	ug/L	98
41) Bromodichloromethane	9.65	83	149955	25.383	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	164135	24.260	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	114550	43.466	ug/L	97
44) Toluene	10.39	91	496554	24.687	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	145440	25.031	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	84510	22.947	ug/L	98
47) Tetrachloroethene	10.87	164	112660	24.394	ug/L	97
49) 2-Hexanone	10.97	43	74907	47.147	ug/L	94
50) Dibromochloromethane	11.13	129	120066	26.759	ug/L	96
51) 1,2-Dibromoethane	11.24	107	86401	24.149	ug/L	95
52) Chlorobenzene	11.66	112	341984	25.139	ug/L	99
53) Ethylbenzene	11.73	91	574540	25.573	ug/L	98
54) m,p-Xylene	11.84	106	224709	25.569	ug/L	99
55) o-xylene	12.17	106	220319	26.412	ug/L	97
56) Styrene	12.18	104	380317	27.156	ug/L	100
57) Isopropylbenzene	12.46	105	622179	27.484	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	102881	24.182	ug/L #	97
59) 1,2,3-Trichloropropane	12.77	75	69710	22.795	ug/L	98
62) Bromoform	12.35	173	72361	24.878	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	294844	25.013	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	291563	24.620	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	263204	24.761	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	16050	22.837	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	227971	26.246	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	188426	27.183	ug/L	98
69) Naphthalene	15.36	128	338617	26.546	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	156969	24.784	ug/L	94

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

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