

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122019\
 Data File : VW014468.D
 Acq On : 20 Dec 2019 09:36
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

Manual Integrations
 APPROVED

apatel
 12/23/2019 11:44:05 AM

Quant Time: Dec 21 04:30:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 20 12:51:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	952956	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	844928	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	420471	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	287838	19.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.80%
7) Chloroethane-d5	2.89	69	264753	24.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.72%
10) 1,1-Dichloroethene-d2	4.02	63	605500	23.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.04%
20) 2-Butanone-d5	7.07	46	221160	58.81	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	117.62%
24) Chloroform-d	7.64	84	646596	26.65	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.60%
26) 1,2-Dichloroethane-d4	8.30	65	337013	26.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.96%
29) Benzene-d6	8.27	84	1279406	25.84	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.36%
33) 1,2-Dichloropropane-d6	9.27	67	404180	26.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.12%
37) Toluene-d8	10.32	98	1130455	25.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.00%
38) trans-1,3-Dichloropropene-	10.57	79	157921	24.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.84%
39) 2-Hexanone-d5	10.92	63	167455	55.28	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.56%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	326982	26.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.36%
61) 1,2-Dichlorobenzene-d4	13.85	152	389926	24.27	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.08%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	177354	19.568 ug/L	96
3) Chloromethane	2.21	50	222885	24.462 ug/L	96
5) Vinyl chloride	2.36	62	353363	26.193 ug/L	97
6) Bromomethane	2.78	94	204808	24.612 ug/L	100
8) Chloroethane	2.92	64	203512	26.404 ug/L	95
9) Trichlorofluoromethane	3.26	101	203493	30.469 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	320979	25.536 ug/L	93
12) 1,1-Dichloroethene	4.04	96	310969	24.436 ug/L	85
13) Acetone	4.11	43	191872	52.922 ug/L	99
14) Carbon disulfide	4.38	76	902347	23.120 ug/L	99
15) Methyl Acetate	4.66	43	158404m	23.098 ug/L	
16) Methylene chloride	4.91	84	335654	22.976 ug/L	94
17) Methyl tert-butyl Ether	5.42	73	392543	23.391 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	319889	23.473 ug/L	93
19) 1,1-Dichloroethane	6.21	63	608656	24.859 ug/L	99
21) 2-Butanone	7.17	43	233854	48.043 ug/L	94
22) cis-1,2-Dichloroethene	7.17	96	337608	23.282 ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.51	128	144117	21.606	ug/L #	80
25) Chloroform	7.67	83	581503	24.440	ug/L	99
27) 1,2-Dichloroethane	8.40	62	368437	23.648	ug/L	95
30) Cyclohexane	7.95	56	567862	26.926	ug/L	95
31) 1,1,1-Trichloroethane	7.87	97	463618	27.322	ug/L	97
32) Carbon tetrachloride	8.06	117	430846	26.760	ug/L	100
34) Benzene	8.32	78	1341962	25.084	ug/L	100
35) Trichloroethene	9.09	95	336776	24.603	ug/L	94
36) Methylcyclohexane	9.33	83	598429	26.017	ug/L	94
40) 1,2-Dichloropropane	9.37	63	335090	24.381	ug/L	99
41) Bromodichloromethane	9.64	83	406207	24.319	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	494732	24.036	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	426949	47.108	ug/L	95
44) Toluene	10.38	91	1412894	25.191	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	399816	23.997	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	231545	22.482	ug/L	97
47) Tetrachloroethene	10.86	164	276544	24.239	ug/L	96
49) 2-Hexanone	10.96	43	312882	48.491	ug/L	97
50) Dibromochloromethane	11.13	129	260810	22.563	ug/L	98
51) 1,2-Dibromoethane	11.23	107	214779	22.016	ug/L #	96
52) Chlorobenzene	11.65	112	851269	23.484	ug/L	93
53) Ethylbenzene	11.73	91	1543789	25.366	ug/L	98
54) m,p-Xylene	11.83	106	582987	24.902	ug/L	95
55) o-xylene	12.16	106	539242	24.284	ug/L	98
56) Styrene	12.18	104	926667	24.394	ug/L	94
57) Isopropylbenzene	12.46	105	1487907	25.810	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	277703	21.724	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	210162	22.125	ug/L	100
62) Bromoform	12.35	173	151483	21.227	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	646132	22.863	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	656172	22.852	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	589540	22.432	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	42217	20.823	ug/L #	80
67) 1,3,5-Trichlorobenzene	14.63	180	474252	23.324	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	359870	22.703	ug/L	99
69) Naphthalene	15.36	128	637441	21.384	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	323229	21.745	ug/L	96

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

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