

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080320\
 Data File : VW016027.D
 Acq On : 03 Aug 2020 11:22
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

Quant Time: Aug 04 03:32:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 03 12:28:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	438137	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	387160	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	180555	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	180956	29.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	117.08%
7) Chloroethane-d5	2.89	69	139719	27.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	111.32%
10) 1,1-Dichloroethene-d2	4.01	63	352111	28.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	112.68%#
20) 2-Butanone-d5	7.08	46	68720	42.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.64%
24) Chloroform-d	7.65	84	315161	25.61	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.44%
26) 1,2-Dichloroethane-d4	8.31	65	150635	22.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.20%
29) Benzene-d6	8.27	84	660418	28.02	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	112.08%
33) 1,2-Dichloropropane-d6	9.27	67	189411	26.81	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.24%
37) Toluene-d8	10.32	98	600124	28.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	112.44%
38) trans-1,3-Dichloropropene-	10.58	79	76821	25.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.04%
39) 2-Hexanone-d5	10.93	63	53910	45.83	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.66%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	124282	22.89	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.56%
61) 1,2-Dichlorobenzene-d4	13.86	152	177609	25.23	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.92%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	91773	24.754	ug/L 98
3) Chloromethane	2.21	50	119491	26.649	ug/L 100
5) Vinyl chloride	2.37	62	172397	24.928	ug/L 100
6) Bromomethane	2.79	94	101410	24.579	ug/L 98
8) Chloroethane	2.93	64	107239	26.470	ug/L 100
9) Trichlorofluoromethane	3.26	101	141853	30.515	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	158882	27.960	ug/L 98
12) 1,1-Dichloroethene	4.04	96	157644	27.990	ug/L 96
13) Acetone	4.12	43	68988	50.585	ug/L 94
14) Carbon disulfide	4.38	76	453598	25.501	ug/L 99
15) Methyl Acetate	4.67	43	58114	22.599	ug/L 98
16) Methylene chloride	4.92	84	174335	24.283	ug/L 96
17) Methyl tert-butyl Ether	5.43	73	209882	26.352	ug/L 97
18) trans-1,2-Dichloroethene	5.42	96	160386	26.967	ug/L 98
19) 1,1-Dichloroethane	6.21	63	299778	27.352	ug/L 99
21) 2-Butanone	7.17	43	80376	47.659	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	169322	27.211	ug/L 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	69328	25.408	ug/L	97
25) Chloroform	7.68	83	289570	26.658	ug/L	99
27) 1,2-Dichloroethane	8.40	62	167497	22.662	ug/L	97
30) Cyclohexane	7.96	56	272954	27.960	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	251049	27.770	ug/L	98
32) Carbon tetrachloride	8.07	117	223985	27.323	ug/L	98
34) Benzene	8.32	78	664123	28.243	ug/L	100
35) Trichloroethene	9.09	95	170972	27.486	ug/L	98
36) Methylcyclohexane	9.34	83	305510	28.623	ug/L	99
40) 1,2-Dichloropropane	9.37	63	162168	27.839	ug/L	100
41) Bromodichloromethane	9.65	83	199091	26.464	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	241001	27.164	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	161891	47.613	ug/L	98
44) Toluene	10.39	91	705640	28.612	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	201314	26.178	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	107240	25.601	ug/L	98
47) Tetrachloroethene	10.87	164	136831	28.339	ug/L	95
49) 2-Hexanone	10.97	43	117531	48.710	ug/L	97
50) Dibromochloromethane	11.13	129	124117	25.592	ug/L	98
51) 1,2-Dibromoethane	11.24	107	98776	24.649	ug/L	98
52) Chlorobenzene	11.66	112	435364	27.549	ug/L	99
53) Ethylbenzene	11.73	91	788610	28.436	ug/L	98
54) m,p-Xylene	11.84	106	296464	28.573	ug/L	98
55) o-xylene	12.17	106	281841	28.848	ug/L	99
56) Styrene	12.18	104	473864	28.521	ug/L	98
57) Isopropylbenzene	12.46	105	771861	29.022	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	120983	24.595	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	89354	24.245	ug/L	99
62) Bromoform	12.35	173	67288	25.334	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	320494	27.734	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	318364	27.146	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	284788	27.132	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	17764	22.485	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	221608	27.274	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	174441	27.029	ug/L	99
69) Naphthalene	15.37	128	294264	24.202	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	148496	25.823	ug/L	98

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

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