

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100720\
 Data File : VW016822.D
 Acq On : 07 Oct 2020 03:01
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

Quant Time: Oct 07 03:39:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 07 03:05:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	588297	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	582073	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	290951	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	127794	22.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.08%
7) Chloroethane-d5	2.89	69	112173	23.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.16%
10) 1,1-Dichloroethene-d2	4.03	63	268604	21.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.20%
20) 2-Butanone-d5	7.08	46	60326	45.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.78%
24) Chloroform-d	7.65	84	305303	24.59	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.36%
26) 1,2-Dichloroethane-d4	8.31	65	143542	23.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.76%
29) Benzene-d6	8.27	84	595773	22.54	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.16%
33) 1,2-Dichloropropane-d6	9.27	67	163743	23.05	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.20%
37) Toluene-d8	10.32	98	583518	23.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.56%
38) trans-1,3-Dichloropropene-	10.58	79	71779	22.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.64%
39) 2-Hexanone-d5	10.93	63	53107	48.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.68%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	135028	23.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.12%
61) 1,2-Dichlorobenzene-d4	13.85	152	227288	24.63	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.52%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	146097	20.777	ug/L	95
3) Chloromethane	2.21	50	143410	23.137	ug/L	97
5) Vinyl chloride	2.36	62	189482	23.547	ug/L	98
6) Bromomethane	2.78	94	141657	23.946	ug/L	98
8) Chloroethane	2.92	64	121321	24.428	ug/L	99
9) Trichlorofluoromethane	3.26	101	90242	14.515	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	181541	22.920	ug/L	98
12) 1,1-Dichloroethene	4.04	96	178970	23.529	ug/L	97
13) Acetone	4.12	43	42650	42.874	ug/L	98
14) Carbon disulfide	4.39	76	504959	23.153	ug/L	100
15) Methyl Acetate	4.67	43	53947	22.697	ug/L	98
16) Methylene chloride	4.92	84	178785	22.021	ug/L	100
17) Methyl tert-butyl Ether	5.42	73	204115	23.981	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	191525	24.103	ug/L	98
19) 1,1-Dichloroethane	6.21	63	302540	24.724	ug/L	99
21) 2-Butanone	7.17	43	73798	44.192	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	206335	25.448	ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	96541	25.356	ug/L	99
25) Chloroform	7.68	83	338662	25.628	ug/L	99
27) 1,2-Dichloroethane	8.40	62	198466	25.106	ug/L	99
30) Cyclohexane	7.96	56	256528	21.252	ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	276241	22.316	ug/L	100
32) Carbon tetrachloride	8.07	117	269392	22.302	ug/L	100
34) Benzene	8.32	78	740493	23.690	ug/L	100
35) Trichloroethene	9.09	95	203843	23.055	ug/L	99
36) Methylcyclohexane	9.34	83	326656	21.973	ug/L	99
40) 1,2-Dichloropropane	9.37	63	169804	24.024	ug/L	100
41) Bromodichloromethane	9.65	83	240358	24.206	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	269705	23.933	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	172000	48.336	ug/L	99
44) Toluene	10.39	91	855215	24.663	ug/L	95
45) trans-1,3-Dichloropropene	10.61	75	232840	24.553	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	141667	24.656	ug/L	98
47) Tetrachloroethene	10.86	164	190685	23.262	ug/L	94
49) 2-Hexanone	10.97	43	119838	51.022	ug/L	100
50) Dibromochloromethane	11.13	129	179454	25.123	ug/L	99
51) 1,2-Dibromoethane	11.24	107	141080	24.986	ug/L	94
52) Chlorobenzene	11.66	112	584410	25.113	ug/L	97
53) Ethylbenzene	11.73	91	975824	25.085	ug/L	100
54) m,p-Xylene	11.84	106	385177	25.460	ug/L	100
55) o-xylene	12.17	106	366520	25.356	ug/L	99
56) Styrene	12.18	104	626787	26.277	ug/L	97
57) Isopropylbenzene	12.46	105	978140	24.712	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	157155	24.749	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	111491	24.237	ug/L	98
62) Bromoform	12.35	173	102402	25.020	ug/L	96
63) 1,3-Dichlorobenzene	13.50	146	457854	24.726	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	454080	24.520	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	408466	24.637	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	22742	22.614	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	325206	23.627	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	265558	23.490	ug/L	98
69) Naphthalene	15.36	128	443892	23.711	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	220506	22.699	ug/L	97

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

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