

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072120\
 Data File : VW015897.D
 Acq On : 21 Jul 2020 19:19
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

Quant Time: Jul 22 06:28:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 22 06:22:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	431941	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	409106	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	194126	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	124120	20.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.44%
7) Chloroethane-d5	2.89	69	108146	21.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.40%
10) 1,1-Dichloroethene-d2	4.02	63	266371	21.62	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.48%
20) 2-Butanone-d5	7.08	46	93712	58.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	117.06%
24) Chloroform-d	7.65	84	277465	22.87	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.48%
26) 1,2-Dichloroethane-d4	8.31	65	157846	23.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.80%
29) Benzene-d6	8.27	84	538664	21.63	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.52%
33) 1,2-Dichloropropane-d6	9.27	67	163588	21.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.64%
37) Toluene-d8	10.32	98	483569	21.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.76%
38) trans-1,3-Dichloropropene-	10.58	79	70334	22.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.40%
39) 2-Hexanone-d5	10.93	63	70895	57.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.06%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	144613	25.20	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.80%
61) 1,2-Dichlorobenzene-d4	13.86	152	171256	22.62	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.48%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	84453	23.106	ug/L	96
3) Chloromethane	2.21	50	93524	21.157	ug/L	98
5) Vinyl chloride	2.37	62	160697	23.570	ug/L	99
6) Bromomethane	2.78	94	96294	23.674	ug/L	98
8) Chloroethane	2.93	64	98221	24.592	ug/L	99
9) Trichlorofluoromethane	3.26	101	110411	24.092	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	136966	24.449	ug/L	99
12) 1,1-Dichloroethene	4.04	96	133533	24.049	ug/L	97
13) Acetone	4.12	43	73768	54.865	ug/L	98
14) Carbon disulfide	4.38	76	407848	23.258	ug/L	100
15) Methyl Acetate	4.68	43	74472	29.376	ug/L	98
16) Methylene chloride	4.92	84	163297	23.072	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	213094	27.140	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	144776	24.691	ug/L	97
19) 1,1-Dichloroethane	6.22	63	268146	24.817	ug/L	99
21) 2-Butanone	7.18	43	101228	60.885	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	154771	25.229	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	70487	26.203	ug/L	95
25) Chloroform	7.68	83	273214	25.513	ug/L	98
27) 1,2-Dichloroethane	8.40	62	191169	26.235	ug/L	98
30) Cyclohexane	7.96	56	237099	22.985	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	223012	23.346	ug/L	100
32) Carbon tetrachloride	8.07	117	201606	23.274	ug/L	99
34) Benzene	8.33	78	599938	24.145	ug/L	100
35) Trichloroethene	9.09	95	154244	23.466	ug/L	99
36) Methylcyclohexane	9.34	83	265544	23.544	ug/L	99
40) 1,2-Dichloropropane	9.37	63	152316	24.745	ug/L	100
41) Bromodichloromethane	9.65	83	195220	24.558	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	233946	24.954	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	209843	58.405	ug/L	100
44) Toluene	10.39	91	642828	24.667	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	207968	25.593	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	114997	25.980	ug/L	98
47) Tetrachloroethene	10.87	164	117491	23.029	ug/L	97
49) 2-Hexanone	10.97	43	149371	58.585	ug/L	99
50) Dibromochloromethane	11.13	129	129946	25.357	ug/L	98
51) 1,2-Dibromoethane	11.24	107	111117	26.241	ug/L #	96
52) Chlorobenzene	11.66	112	406929	24.368	ug/L	99
53) Ethylbenzene	11.73	91	723094	24.675	ug/L	97
54) m,p-Xylene	11.84	106	265692	24.234	ug/L	99
55) o-xylene	12.17	106	256957	24.890	ug/L	99
56) Styrene	12.18	104	451079	25.693	ug/L	99
57) Isopropylbenzene	12.46	105	696486	24.783	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	144715	27.842	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	109635	28.152	ug/L	100
62) Bromoform	12.35	173	73199	25.632	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	304759	24.529	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	300689	23.846	ug/L	94
65) 1,2-Dichlorobenzene	13.87	146	276522	24.503	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.49	75	24705	29.084	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	214624	24.568	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	179767	25.907	ug/L	98
69) Naphthalene	15.37	128	386033	29.530	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	161723	26.157	ug/L	97

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

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