

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072720\
 Data File : VW015960.D
 Acq On : 27 Jul 2020 09:25
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

Quant Time: Jul 28 01:25:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jul 27 05:05:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	441577	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	398697	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	191608	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	122804	19.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.84%
7) Chloroethane-d5	2.89	69	111128	21.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.84%
10) 1,1-Dichloroethene-d2	4.01	63	287904	22.85	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.40%
20) 2-Butanone-d5	7.09	46	91394	55.84	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.68%
24) Chloroform-d	7.65	84	288287	23.25	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.00%
26) 1,2-Dichloroethane-d4	8.31	65	154387	22.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.72%
29) Benzene-d6	8.27	84	567203	23.37	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.48%
33) 1,2-Dichloropropane-d6	9.27	67	173102	23.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.16%
37) Toluene-d8	10.33	98	497247	22.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.48%
38) trans-1,3-Dichloropropene-	10.58	79	70629	22.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.12%
39) 2-Hexanone-d5	10.93	63	69523	57.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.78%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	144887	25.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.64%
61) 1,2-Dichlorobenzene-d4	13.85	152	172207	23.05	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	98193	26.279	ug/L 99
3) Chloromethane	2.21	50	118218	26.159	ug/L 99
5) Vinyl chloride	2.37	62	175985	25.249	ug/L 100
6) Bromomethane	2.79	94	101051	24.301	ug/L 99
8) Chloroethane	2.93	64	105187	25.761	ug/L 99
9) Trichlorofluoromethane	3.26	101	135860	28.998	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	153977	26.886	ug/L 98
12) 1,1-Dichloroethene	4.04	96	148505	26.162	ug/L 92
13) Acetone	4.14	43	82861	60.284	ug/L 97
14) Carbon disulfide	4.38	76	455986	25.436	ug/L 99
15) Methyl Acetate	4.68	43	75057	28.961	ug/L 99
16) Methylene chloride	4.92	84	172292	23.811	ug/L 98
17) Methyl tert-butyl Ether	5.43	73	227317	28.319	ug/L 98
18) trans-1,2-Dichloroethene	5.43	96	155944	26.016	ug/L 98
19) 1,1-Dichloroethane	6.22	63	291167	26.359	ug/L 98
21) 2-Butanone	7.18	43	104263	61.342	ug/L 97
22) cis-1,2-Dichloroethene	7.17	96	164942	26.301	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	72537	26.377	ug/L	95
25) Chloroform	7.68	83	284613	25.998	ug/L	100
27) 1,2-Dichloroethane	8.40	62	186531	25.040	ug/L	97
30) Cyclohexane	7.96	56	267199	26.579	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	242416	26.039	ug/L	99
32) Carbon tetrachloride	8.07	117	217455	25.759	ug/L	100
34) Benzene	8.32	78	645653	26.663	ug/L	100
35) Trichloroethene	9.09	95	163788	25.569	ug/L	99
36) Methylcyclohexane	9.34	83	288730	26.268	ug/L	100
40) 1,2-Dichloropropane	9.37	63	160046	26.679	ug/L	100
41) Bromodichloromethane	9.65	83	203193	26.228	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	246806	27.014	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	202228	57.755	ug/L	99
44) Toluene	10.39	91	671479	26.439	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	215037	27.154	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	118353	27.436	ug/L	97
47) Tetrachloroethene	10.87	164	129399	26.025	ug/L	92
49) 2-Hexanone	10.97	43	148839	59.900	ug/L	100
50) Dibromochloromethane	11.13	129	131927	26.415	ug/L	98
51) 1,2-Dibromoethane	11.24	107	111628	27.050	ug/L #	98
52) Chlorobenzene	11.66	112	422349	25.952	ug/L	100
53) Ethylbenzene	11.73	91	754764	26.428	ug/L	98
54) m,p-Xylene	11.84	106	284151	26.594	ug/L	99
55) o-xylene	12.17	106	265694	26.408	ug/L	98
56) Styrene	12.18	104	458095	26.774	ug/L	99
57) Isopropylbenzene	12.46	105	728675	26.605	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	141553	27.945	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	107084	28.215	ug/L	100
62) Bromoform	12.35	173	75346	26.731	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	316408	25.801	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	306368	24.616	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	280061	25.142	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	23458	27.979	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	221541	25.693	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	178139	26.010	ug/L	97
69) Naphthalene	15.37	128	366367	28.394	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	157893	25.873	ug/L	95

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

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